Technical Report

prepared for:

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

Report Date: 12/22/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0381

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

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

Report Date: 12/22/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0381

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 07, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0381-06	SB05_S1_6-8	Soil	12/07/2021	12/07/2021
21L0381-07	SB05_W1_6-8	Soil	12/07/2021	12/07/2021
21L0381-09	SB05_N1_6-8	Soil	12/07/2021	12/07/2021
21L0381-13	FB03_120721	Water	12/07/2021	12/07/2021

General Notes for York Project (SDG) No.: 21L0381

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

Approved By **Date:** 12/22/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB05_S1_6-8 **York Sample ID:** 21L0381-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0381	170610601	Soil	December 7, 2021 12:40 pm	12/07/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.548**		mg/kg dry	0.0415	1	EPA 7473	12/10/2021 07:03	12/10/2021 11:07	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**72.3**		%	0.100	1	SM 2540G	12/13/2021 15:48	12/13/2021 19:36	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB05_W1_6-8 **York Sample ID:** 21L0381-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0381	170610601	Soil	December 7, 2021 12:45 pm	12/07/2021

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.178**		mg/kg dry	0.0329	1	EPA 7473	12/10/2021 07:03	12/10/2021 12:31	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.2**		%	0.100	1	SM 2540G	12/13/2021 15:48	12/13/2021 19:36	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB05_N1_6-8 **York Sample ID:** 21L0381-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0381	170610601	Soil	December 7, 2021 12:55 pm	12/07/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473	12/10/2021 07:03	12/10/2021 12:40	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	12/13/2021 15:48	12/13/2021 19:36	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB03_120721 **York Sample ID:** 21L0381-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0381	170610601	Water	December 7, 2021 1:30 pm	12/07/2021

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	12/10/2021 14:10	12/10/2021 14:10	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BL11784 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0381-06	SB05_S1_6-8	12/10/21
21L0381-07	SB05_W1_6-8	12/10/21
21L0381-09	SB05_N1_6-8	12/10/21
BL11784-BLK1	Blank	12/10/21
BL11784-DUP1	Duplicate	12/10/21
BL11784-MS1	Matrix Spike	12/10/21
BL11784-SRM1	Reference	12/10/21

Batch ID: BL11846 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21L0381-13	FB03_120721	12/10/21
BL11846-BLK1	Blank	12/10/21
BL11846-BS1	LCS	12/10/21
BL11846-BS2	LCS	12/10/21

Batch ID: BL11966 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0381-06	SB05_S1_6-8	12/13/21
21L0381-07	SB05_W1_6-8	12/13/21
21L0381-09	SB05_N1_6-8	12/13/21
BL11966-DUP1	Duplicate	12/13/21

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11784 - EPA 7473 soil												
Blank (BL11784-BLK1)	Blank								Prepared & Analyzed: 12/10/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL11784-DUP1)	Duplicate	*Source sample: 21L0381-06 (SB05_S1_6-8)							Prepared & Analyzed: 12/10/2021			
Mercury		0.517	0.0415	mg/kg dry		0.548				5.69	35	
Matrix Spike (BL11784-MS1)	Matrix Spike	*Source sample: 21L0381-06 (SB05_S1_6-8)							Prepared & Analyzed: 12/10/2021			
Mercury		1.70		mg/kg	0.500	0.396	261	75-125	High Bias			
Reference (BL11784-SRM1)	Reference								Prepared & Analyzed: 12/10/2021			
Mercury		23.316		mg/kg	27.2		85.7	59.9-140.1				
Batch BL11846 - EPA SW846-7470A												
Blank (BL11846-BLK1)	Blank								Prepared & Analyzed: 12/10/2021			
Mercury		ND	0.0002	mg/L								
LCS (BL11846-BS1)	LCS								Prepared & Analyzed: 12/10/2021			
Mercury		0.0020368	0.0002	mg/L	0.00200		102	80-120				
LCS (BL11846-BS2)	LCS								Prepared & Analyzed: 12/10/2021			
Mercury		0.0021434	0.0002	mg/L	0.00200		107	80-120				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11966 - % Solids Prep											
Duplicate (BL11966-DUP1) Duplicate	*Source sample: 21L0381-06 (SB05_S1_6-8)								Prepared & Analyzed: 12/13/2021		
% Solids	76.5	0.100	%		72.3				5.61	20	

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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Corrective Action: For all of the SB05R grab samples for Mercury analysis, the client revised the sample IDs to delete the R from the sample ID.

Field Chain-of-Custody Record

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YORK Project No. 2120381

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan NYC	Company:	Company:	170610601	RUSH - Next Day
Address:	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: K. Scmon	Contact:	Contact:		RUSH - Four Day
E-mail: KScmon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

PJ Malgieri

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB106R-10-11	S	12/7/21 8:59	NJDEPHTCL/375 VOCs, EPH	
SB04R-10-11	S	11:15		
WC-SODUP01-120721	S			
WC-FB01-120721	AQ	13:45		
TB02-120721	AQ			

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/7/21 16:45	Tom A / York	12/7/21 1645	Tom A / York	12/7/21 1930
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Fedex / York	12/7/21 1930	Fedex / York	12/7/21 2125		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlock 12/7/21	2125 / 2.3 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 212038I

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170161060)	RUSH - Next Day
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212 479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: KSemon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) TJ Mulgrew

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil / Other	Other:		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB05 -S1-6-8	S	12/7/21 1240	Mercury	MS/MSD (HOLD MS)
SB05 -W1-6-8		1245		
SB05 -W2-6-8		1250		HOLD
SB05 -N1-6-8		1255		
SB05 -N2-6-8		1301		HOLD
SB05 -N3-6-8		1310		HOLD
SOSUP-OU-120721				HOLD
FB03-120721	Aq	1330		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/7/21 16:45	TomA / York	12/7/21 1645	TomA / York	12/7/21 1930
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Fedex / York	12/7/21 1930	Fedex / York	12/7/21 2125		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlock	12/7/21 2125 / 2.3 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21L0381

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street NY NY	Address:	Address:	YOU 47	RUSH - Two Day ___ Day ___ Day Day) X
Phone: 212-479-5400	Phone:	Phone:		
Contact: Kim Seiken	Contact:	Contact:		
E-mail: KSeiken@Langan.com	E-mail:	E-mail:	YOUR PO#:	

SVOCs (not VOCs)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Nalgatri

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)
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QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WL16-COMP-10-12	S	12/7/21 11:08	NJDEP/TCL 375 VOC's, Pesticides	
WC17-COMP-10-12	S	11:30	Herbicides, TAL Metals (Hex+Tri Chromium)	
WX-SOLUPSD-120721	S		Cyanide, TCLP Metals, RCRA Char.	
WC-FB01-120721	AQ	13:45	Paint Filter, Full TCLP	

PCBS

Comments: Do Not Run FB for Paint & Full TCLP

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/7/21 16:45	Tom A / Yorks	12/7/21 1645	Tom P / Yorks	12/7/21 1930
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francesca / Yorks	12/7/21 1930	Francis of York	12/7/21 2125		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blackman	12/7/21 2125 / 2.3 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21L0381

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day ☐
Address: 360 W 31st St 8th FL NY NY	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day ☐
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day ☐
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day ☐
E-mail: KSemon@Langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Malgieri

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Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey ☐
Connecticut ☐
Pennsylvania ☐
Other: ☐

Report / EDD Type (circle selections)
Summary Report | QA Report | NY ASP A Package | NY ASP B Package | CT RCP | CT RCP DQA/DUE | NJDEP Reduced Deliverables | NJDKQP | Standard Excel EDD | EQuIS (Standard) | NYSDEC EQuIS | NJDEP SRP HazSite | Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB10&R-10-11	S	12/7/21 8:59	Total + TCLP Metals (HOLD)	4oz (HOLD)
SB10&R-11-12		9:15		
SB10R-10-11		10:45		
SB10R-11-12		1046		
SB06R-10-11		1104		
SB06R-11-12		1105		
SB04R-11-12		1116		
SB04R-10-11		11:15		
SB05R-10-11		1120		
SB05R-11-12	↓	1121	↓	↓

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered ☐
Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/7/21 1645	Tom A / York	12/7/21 1645	Tom A / York	12/7/21 1930
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francisco / York	12/7/21 1930	Francisco / York	12/7/21 2125		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blackburn	12/7/21 2125 Degrees C

Technical Report

prepared for:

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

Report Date: 12/10/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0016

Revision No. 1.0

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

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

Report Date: 12/10/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0016

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 30, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0016-01	SB106_S1_8-9	Soil	11/30/2021	11/30/2021
21L0016-04	SB106_W1_8-9	Soil	11/30/2021	11/30/2021
21L0016-07	SB106_N1_8-9	Soil	11/30/2021	11/30/2021
21L0016-10	SB03_S1_7-8	Soil	11/30/2021	11/30/2021
21L0016-13	SB03_N1_7-8	Soil	11/30/2021	11/30/2021
21L0016-14	SB03_N2_7-8	Soil	11/30/2021	11/30/2021
21L0016-16	SB03_E1_7-8	Soil	11/30/2021	11/30/2021
21L0016-19	SBDUP01_113021	Soil	11/30/2021	11/30/2021
21L0016-20	SB107_W1_7-8	Soil	11/30/2021	11/30/2021
21L0016-23	SB107_E1_7-8	Soil	11/30/2021	11/30/2021
21L0016-26	SB107_S1_7-8	Soil	11/30/2021	11/30/2021
21L0016-29	SB107_N1_7-8	Soil	11/30/2021	11/30/2021

General Notes for York Project (SDG) No.: 21L0016

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

Approved By **Date:** 12/10/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB106_S1_8-9 **York Sample ID:** 21L0016-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 9:08 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.571**		mg/kg dry	0.0378	1	EPA 7473	12/06/2021 12:41	12/06/2021 13:49	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.3**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB106_W1_8-9 **York Sample ID:** 21L0016-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 9:25 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.292**		mg/kg dry	0.0369	1	EPA 7473	12/06/2021 12:41	12/06/2021 13:57	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.3**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB106_N1_8-9 **York Sample ID:** 21L0016-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 9:47 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0336	1	EPA 7473	12/06/2021 12:41	12/06/2021 14:06	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.3**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB03_S1_7-8 **York Sample ID:** 21L0016-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 10:52 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.744**		mg/kg dry	0.0354	1	EPA 7473	12/06/2021 12:41	12/06/2021 14:14	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB03_N1_7-8 **York Sample ID:** 21L0016-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 11:09 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.27**		mg/kg dry	0.0343	1	EPA 7473	12/06/2021 12:41	12/06/2021 15:32	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.4**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB03_N2_7-8 **York Sample ID:** 21L0016-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 11:15 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0329	1	EPA 7473	12/08/2021 10:14	12/08/2021 13:58	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.1**		%	0.100	1	SM 2540G	12/09/2021 15:50	12/10/2021 14:32	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB03_E1_7-8 **York Sample ID:** 21L0016-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 11:30 am	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.290**		mg/kg dry	0.0351	1	EPA 7473	12/06/2021 12:41	12/06/2021 15:43	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.5**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SBDUP01_113021 **York Sample ID:** 21L0016-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 3:00 pm	11/30/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.539**		mg/kg dry	0.0352	1	EPA 7473	12/06/2021 12:41	12/06/2021 15:51	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.2**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_W1_7-8 **York Sample ID:** 21L0016-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 1:00 pm	11/30/2021

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	12/06/2021 13:40	12/07/2021 12:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*78.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*70.6 %*	*24-116*

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0340	1	EPA 7473	12/06/2021 12:41	12/06/2021 16:00	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.3**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_E1_7-8 **York Sample ID:** 21L0016-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 1:15 pm	11/30/2021

Semi-Volatiles, Select PAH (B)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0228	0.0455	1	EPA 8270D	12/06/2021 13:40	12/07/2021 12:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*35.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*33.5 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*34.3 %*	*24-116*

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	12/06/2021 12:41	12/06/2021 16:09	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_S1_7-8 **York Sample ID:** 21L0016-26

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 1:35 pm	11/30/2021

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*60.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*61.6 %*	*24-116*

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473	12/06/2021 12:41	12/06/2021 16:18	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.0**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_N1_7-8 **York Sample ID:** 21L0016-29

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0016	170610601	Soil	November 30, 2021 1:50 pm	11/30/2021

Semi-Volatiles, Select PAH (B)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0494	0.0987	2	EPA 8270D	12/04/2021 08:28	12/06/2021 16:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*71.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.0 %*	*24-116*

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0356	1	EPA 7473	12/06/2021 12:42	12/06/2021 13:25	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.3**		%	0.100	1	SM 2540G	12/06/2021 17:21	12/06/2021 19:07	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BL11416 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JG

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-26	SB107_S1_7-8	12/04/21
21L0016-29	SB107_N1_7-8	12/04/21
BL11416-BLK1	Blank	12/04/21
BL11416-BS1	LCS	12/04/21
BL11416-MS1	Matrix Spike	12/04/21
BL11416-MSD1	Matrix Spike Dup	12/04/21

Batch ID: BL11459 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-01	SB106_S1_8-9	12/06/21
21L0016-04	SB106_W1_8-9	12/06/21
21L0016-07	SB106_N1_8-9	12/06/21
21L0016-10	SB03_S1_7-8	12/06/21
21L0016-13	SB03_N1_7-8	12/06/21
21L0016-16	SB03_E1_7-8	12/06/21
21L0016-19	SBDUP01_113021	12/06/21
21L0016-20	SB107_W1_7-8	12/06/21
21L0016-23	SB107_E1_7-8	12/06/21
21L0016-26	SB107_S1_7-8	12/06/21
BL11459-BLK1	Blank	12/06/21
BL11459-DUP1	Duplicate	12/06/21
BL11459-MS1	Matrix Spike	12/06/21
BL11459-SRM1	Reference	12/06/21

Batch ID: BL11460 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-29	SB107_N1_7-8	12/06/21
BL11460-BLK1	Blank	12/06/21
BL11460-DUP1	Duplicate	12/06/21
BL11460-MS1	Matrix Spike	12/06/21
BL11460-SRM1	Reference	12/06/21

Batch ID: BL11462 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-20	SB107_W1_7-8	12/06/21
21L0016-23	SB107_E1_7-8	12/06/21
BL11462-BLK1	Blank	12/06/21
BL11462-BS1	LCS	12/06/21
BL11462-MS1	Matrix Spike	12/06/21
BL11462-MSD1	Matrix Spike Dup	12/06/21

Batch ID: BL11491 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-01	SB106_S1_8-9	12/06/21
21L0016-04	SB106_W1_8-9	12/06/21
21L0016-07	SB106_N1_8-9	12/06/21
21L0016-10	SB03_S1_7-8	12/06/21
21L0016-13	SB03_N1_7-8	12/06/21
21L0016-16	SB03_E1_7-8	12/06/21
21L0016-19	SBDUP01_113021	12/06/21
21L0016-20	SB107_W1_7-8	12/06/21
21L0016-23	SB107_E1_7-8	12/06/21
21L0016-26	SB107_S1_7-8	12/06/21
21L0016-29	SB107_N1_7-8	12/06/21
BL11491-DUP1	Duplicate	12/06/21

Batch ID: BL11628 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-14	SB03_N2_7-8	12/08/21
BL11628-BLK1	Blank	12/08/21
BL11628-DUP1	Duplicate	12/08/21
BL11628-MS1	Matrix Spike	12/08/21
BL11628-SRM1	Reference	12/08/21

Batch ID: BL11755 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0016-14	SB03_N2_7-8	12/09/21
BL11755-DUP1	Duplicate	12/09/21

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11416 - EPA 3546 SVOA											
Blank (BL11416-BLK1) Blank									Prepared: 12/04/2021 Analyzed: 12/06/2021		
Benzo(a)anthracene	ND	0.0417	mg/kg wet								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Surrogate: SURR: Nitrobenzene-d5	*0.839*		"	*0.833*		*101*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.755*		"	*0.833*		*90.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.844*		"	*0.833*		*101*	*24-116*				
LCS (BL11416-BS1) LCS									Prepared: 12/04/2021 Analyzed: 12/06/2021		
Benzo(a)anthracene	0.620	0.0417	mg/kg wet	0.833		74.4	32-122				
Benzo(a)pyrene	0.584	0.0417	"	0.833		70.1	29-133				
Benzo(b)fluoranthene	0.563	0.0417	"	0.833		67.6	25-133				
Benzo(k)fluoranthene	0.575	0.0417	"	0.833		69.0	25-128				
Chrysene	0.609	0.0417	"	0.833		73.0	32-123				
Dibenzo(a,h)anthracene	0.632	0.0417	"	0.833		75.8	10-136				
Indeno(1,2,3-cd)pyrene	0.594	0.0417	"	0.833		71.3	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.637*		"	*0.833*		*76.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.584*		"	*0.833*		*70.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.634*		"	*0.833*		*76.0*	*24-116*				
Matrix Spike (BL11416-MS1) Matrix Spike *Source sample: 21L0148-12 (Matrix Spike)									Prepared: 12/04/2021 Analyzed: 12/06/2021		
Benzo(a)anthracene	0.703	0.101	mg/kg dry	1.01	ND	69.8	10-158				
Benzo(a)pyrene	0.693	0.101	"	1.01	ND	68.8	10-180				
Benzo(b)fluoranthene	0.660	0.101	"	1.01	ND	65.5	10-200				
Benzo(k)fluoranthene	0.668	0.101	"	1.01	ND	66.3	10-197				
Chrysene	0.698	0.101	"	1.01	ND	69.3	10-156				
Dibenzo(a,h)anthracene	0.729	0.101	"	1.01	ND	72.4	10-137				
Indeno(1,2,3-cd)pyrene	0.721	0.101	"	1.01	ND	71.6	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.724*		"	*1.01*		*71.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.662*		"	*1.01*		*65.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.681*		"	*1.01*		*67.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11416 - EPA 3546 SVOA											
Matrix Spike Dup (BL11416-M Matrix Spike Dup	*Source sample: 21L0148-12 (Matrix Spike Dup)								Prepared: 12/04/2021 Analyzed: 12/06/2021		
Benzo(a)anthracene	0.670	0.101	mg/kg dry	1.01	ND	66.5	10-158		4.93	30	
Benzo(a)pyrene	0.635	0.101	"	1.01	ND	63.0	10-180		8.74	30	
Benzo(b)fluoranthene	0.606	0.101	"	1.01	ND	60.2	10-200		8.53	30	
Benzo(k)fluoranthene	0.611	0.101	"	1.01	ND	60.6	10-197		8.95	30	
Chrysene	0.648	0.101	"	1.01	ND	64.3	10-156		7.43	30	
Dibenzo(a,h)anthracene	0.679	0.101	"	1.01	ND	67.4	10-137		7.21	30	
Indeno(1,2,3-cd)pyrene	0.660	0.101	"	1.01	ND	65.5	10-144		8.87	30	
Surrogate: SURR: Nitrobenzene-d5	*0.689*		*"*	*1.01*		*68.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.627*		*"*	*1.01*		*62.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.641*		*"*	*1.01*		*63.6*	*24-116*				
Batch BL11462 - EPA 3550C											
Blank (BL11462-BLK1) Blank									Prepared: 12/06/2021 Analyzed: 12/07/2021		
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.560*		*"*	*0.831*		*67.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.615*		*"*	*0.831*		*74.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.681*		*"*	*0.831*		*82.0*	*24-116*				
LCS (BL11462-BS1) LCS									Prepared: 12/06/2021 Analyzed: 12/07/2021		
Benzo(a)anthracene	0.639	0.0416	mg/kg wet	0.831		76.9	32-122				
Benzo(a)pyrene	0.660	0.0416	"	0.831		79.5	29-133				
Benzo(b)fluoranthene	0.620	0.0416	"	0.831		74.6	25-133				
Benzo(k)fluoranthene	0.636	0.0416	"	0.831		76.5	25-128				
Chrysene	0.618	0.0416	"	0.831		74.4	32-123				
Dibenzo(a,h)anthracene	0.634	0.0416	"	0.831		76.4	10-136				
Indeno(1,2,3-cd)pyrene	0.584	0.0416	"	0.831		70.4	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.565*		*"*	*0.831*		*68.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.645*		*"*	*0.831*		*77.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.689*		*"*	*0.831*		*82.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11462 - EPA 3550C											
Matrix Spike (BL11462-MS1) Matrix Spike	*Source sample: 21L0149-28 (Matrix Spike)								Prepared: 12/06/2021 Analyzed: 12/07/2021		
Benzo(a)anthracene	0.727	0.0870	mg/kg dry	0.869	0.142	67.3	10-158				
Benzo(a)pyrene	0.810	0.0870	"	0.869	0.146	76.4	10-180				
Benzo(b)fluoranthene	0.738	0.0870	"	0.869	0.118	71.4	10-200				
Benzo(k)fluoranthene	0.722	0.0870	"	0.869	0.107	70.7	10-197				
Chrysene	0.669	0.0870	"	0.869	0.124	62.8	10-156				
Dibenzo(a,h)anthracene	0.760	0.0870	"	0.869	ND	87.4	10-137				
Indeno(1,2,3-cd)pyrene	0.726	0.0870	"	0.869	0.109	71.0	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.860*		*"*	*0.869*		*99.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.702*		*"*	*0.869*		*80.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.709*		*"*	*0.869*		*81.6*	*24-116*				
Matrix Spike Dup (BL11462-M Matrix Spike Dup	*Source sample: 21L0149-28 (Matrix Spike Dup)								Prepared: 12/06/2021 Analyzed: 12/07/2021		
Benzo(a)anthracene	0.640	0.0870	mg/kg dry	0.869	0.142	57.2	10-158		12.8	30	
Benzo(a)pyrene	0.672	0.0870	"	0.869	0.146	60.5	10-180		18.6	30	
Benzo(b)fluoranthene	0.642	0.0870	"	0.869	0.118	60.3	10-200		13.9	30	
Benzo(k)fluoranthene	0.606	0.0870	"	0.869	0.107	57.4	10-197		17.5	30	
Chrysene	0.581	0.0870	"	0.869	0.124	52.7	10-156		14.1	30	
Dibenzo(a,h)anthracene	0.622	0.0870	"	0.869	ND	71.6	10-137		19.9	30	
Indeno(1,2,3-cd)pyrene	0.593	0.0870	"	0.869	0.109	55.7	10-144		20.1	30	
Surrogate: SURR: Nitrobenzene-d5	*0.717*		*"*	*0.869*		*82.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.596*		*"*	*0.869*		*68.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.598*		*"*	*0.869*		*68.8*	*24-116*				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11459 - EPA 7473 soil												
Blank (BL11459-BLK1)	Blank								Prepared & Analyzed: 12/06/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL11459-DUP1)	Duplicate	*Source sample: 21L0016-10 (SB03_S1_7-8)							Prepared & Analyzed: 12/06/2021			
Mercury		0.694	0.0354	mg/kg dry		0.744				6.93	35	
Matrix Spike (BL11459-MS1)	Matrix Spike	*Source sample: 21L0016-10 (SB03_S1_7-8)							Prepared & Analyzed: 12/06/2021			
Mercury		0.960		mg/kg	0.500	0.631	65.8	75-125	Low Bias			
Reference (BL11459-SRM1)	Reference								Prepared & Analyzed: 12/06/2021			
Mercury		25.172		mg/kg	27.2		92.5	59.9-140.1				
Batch BL11460 - EPA 7473 soil												
Blank (BL11460-BLK1)	Blank								Prepared & Analyzed: 12/06/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL11460-DUP1)	Duplicate	*Source sample: 21L0016-29 (SB107_N1_7-8)							Prepared & Analyzed: 12/06/2021			
Mercury		ND	0.0356	mg/kg dry		ND					35	
Matrix Spike (BL11460-MS1)	Matrix Spike	*Source sample: 21L0016-29 (SB107_N1_7-8)							Prepared & Analyzed: 12/06/2021			
Mercury		0.582		mg/kg	0.500	0.0159	113	75-125				
Reference (BL11460-SRM1)	Reference								Prepared & Analyzed: 12/06/2021			
Mercury		27.960		mg/kg	27.2		103	59.9-140.1				
Batch BL11628 - EPA 7473 soil												
Blank (BL11628-BLK1)	Blank								Prepared & Analyzed: 12/08/2021			
Mercury		ND	0.0300	mg/kg wet								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11628 - EPA 7473 soil											
Duplicate (BL11628-DUP1) Duplicate	*Source sample: 21K1383-03 (Duplicate)								Prepared & Analyzed: 12/08/2021		
Mercury	0.0324	0.0321	mg/kg dry		ND					35	
Matrix Spike (BL11628-MS1) Matrix Spike	*Source sample: 21K1383-03 (Matrix Spike)								Prepared & Analyzed: 12/08/2021		
Mercury	0.590		mg/kg	0.500	0.0249	113	75-125				
Reference (BL11628-SRM1) Reference									Prepared & Analyzed: 12/08/2021		
Mercury	18.600		mg/kg	27.2		68.4	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11491 - % Solids Prep											
Duplicate (BL11491-DUP1) Duplicate	*Source sample: 21L0016-10 (SB03_S1_7-8)								Prepared & Analyzed: 12/06/2021		
% Solids	87.0	0.100	%		84.8				2.61	20	
Batch BL11755 - % Solids Prep											
Duplicate (BL11755-DUP1) Duplicate	*Source sample: 21L0187-02 (Duplicate)								Prepared: 12/09/2021 Analyzed: 12/10/2021		
% Solids	86.2	0.100	%		85.7				0.605	20	

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Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report sample -14 for Hg.

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

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21L0016

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street 8th Floor NY, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: KSeman@Langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB106-S1-8-9	S	11/30/21 9:08	Mercury	
SB106-S2-8-9 (HOLD)	S	9:12		HOLD
SB106-S3-8-9 (HOLD)	S	9:15		HOLD
SB106-W1-8-9	S	9:25		
SB106-W2-8-9 (HOLD)	S	9:33		HOLD
SB106-W3-8-9 (HOLD)	S	9:40		HOLD
SB106-N1-8-9	S	9:47		
SB106-N2-8-9 (HOLD)	S	9:53		HOLD
SB106-N3-8-9 (HOLD)	S	10:00		HOLD
SB03-S1-7-8	S	10:52		MS/MSD

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	11/30/21 15:35	TomA / Yorks	11/30/21 1535	TomA / Yorks	11/30/21 2000
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francis / Yorks	11/30/21 2000	Francis / Yorks	11/30/21 2138		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				TGale	11/30/21 2138 2.1 Degrees C

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

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Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21L0016

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page ___ of ___

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street 8th Floor NY, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: KSeman@Langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB107-W1-7-8	S	11/30/21 13:00	PAHs Group B + Mercury	
SB107-W2-7-8	S	13:05		HOLD
SB107-W3-7-8	S	13:10		HOLD
SB107-E1-7-8	S	13:15		
SB107-E2-7-8	S	13:21		HOLD
SB107-E3-7-8	S	13:27		HOLD
SB107-S1-7-8	S	13:35		[redacted]
SB107-S2-7-8	S	13:40		HOLD
SB107-S3-7-8	S	13:45		HOLD
SB107-N1-7-8	S	13:50		

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered	
Lab to Filter	

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[redacted]	11/30/21 15:35	TOMA / York	11/30/21 15:35	TOMA / York	11/30/21
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francis / York	11/30/21 2000	Francis / York	11/30/21 2138		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[redacted]	11/30/21 2138 2.1 Degrees C

Field Chain-of-Custody Record

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Your signature binds you to YORK's Standard Terms & Conditions.

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YORK Project No.: 21L0016

Page ___ of ___

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company: Langan
Address: 360 W 31st Street, 8th fl NY, NY	Address:	Address:
Phone: 212 479 5400	Phone:	Phone:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid	
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil / Other	

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB03_S2_7-8	S	11/30/2021 10:57	Mercury	1-HOLD
SB03_S3_7-8	S	11:03		HOLD
SB03_N1_7-8	S	11:09		
SB03_N2_7-8	S	11:15		HOLD
SB03_N3_7-8	S	11:23		HOLD
SB03_E1_7-8	S	11:30		
SB03_E2_7-8	S	11:38		HOLD
SB03_E3_7-8	S	11:46		HOLD
SBDUP01_113021	S	11/30/21		

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered	
Lab to Filter	

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	11/30/21 15:35	Tom A / York	11/30/21 1535	Tom A / York	11/30/21 2000
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francesca / York	11/30/21 2000	Francesca / York	11/30/21 2138		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	11/30/21 2138 2.1 Degrees C

Technical Report

prepared for:

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

Report Date: 12/28/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0264

Revision No. 2.0

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

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

Report Date: 12/28/2021
Client Project ID: 170610601
York Project (SDG) No.: 21L0264

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 06, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0264-01	SB11_S1_14-15	Soil	12/03/2021	12/06/2021
21L0264-02	SB11_S2_14-15	Soil	12/03/2021	12/06/2021
21L0264-03	SB11_S3_14-15	Soil	12/03/2021	12/06/2021
21L0264-04	SB11_E1_14-15	Soil	12/03/2021	12/06/2021
21L0264-07	SB11_W1_14-15	Soil	12/03/2021	12/06/2021
21L0264-10	SB11_N1A_14-15	Soil	12/03/2021	12/06/2021
21L0264-11	SB11_N2_14-15	Soil	12/03/2021	12/06/2021

General Notes for York Project (SDG) No.: 21L0264

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

Approved By **Date:** 12/28/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB11_S1_14-15 **York Sample ID:** 21L0264-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 9:40 am	12/06/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**629**		mg/kg dry	1.47	1	EPA 6010D	12/08/2021 15:26	12/09/2021 19:12	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**68.1**		%	0.100	1	SM 2540G	12/10/2021 12:14	12/10/2021 15:45	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB11_S2_14-15 **York Sample ID:** 21L0264-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 9:50 am	12/06/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**384**		mg/kg dry	1.37	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:31	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**73.2**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB11_S3_14-15** **York Sample ID:** **21L0264-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 10:30 am	12/06/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**384**		mg/kg dry	1.31	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.3**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB11_E1_14-15** **York Sample ID:** **21L0264-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 10:38 am	12/06/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**102**		mg/kg dry	1.16	1	EPA 6010D	12/08/2021 15:26	12/09/2021 19:15	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.0**		%	0.100	1	SM 2540G	12/10/2021 12:14	12/10/2021 15:45	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB11_W1_14-15** **York Sample ID:** **21L0264-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 11:55 am	12/06/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**300**		mg/kg dry	1.23	1	EPA 6010D	12/08/2021 15:26	12/09/2021 19:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.5**		%	0.100	1	SM 2540G	12/10/2021 12:14	12/10/2021 15:45	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB11_N1A_14-15** **York Sample ID:** **21L0264-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 2:00 pm	12/06/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**532**		mg/kg dry	1.23	1	EPA 6010D	12/08/2021 15:26	12/09/2021 19:27	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.3**		%	0.100	1	SM 2540G	12/10/2021 12:14	12/10/2021 15:45	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB11_N2_14-15** **York Sample ID:** **21L0264-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0264	170610601	Soil	December 3, 2021 2:10 pm	12/06/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**236**		mg/kg dry	1.14	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:34	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.6**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BL11659 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-01	SB11_S1_14-15	12/08/21
21L0264-04	SB11_E1_14-15	12/08/21
21L0264-07	SB11_W1_14-15	12/08/21
21L0264-10	SB11_N1A_14-15	12/08/21
BL11659-BLK1	Blank	12/08/21
BL11659-DUP1	Duplicate	12/08/21
BL11659-MS1	Matrix Spike	12/08/21
BL11659-PS1	Post Spike	12/08/21
BL11659-SRM1	Reference	12/08/21

Batch ID: BL11829 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-01	SB11_S1_14-15	12/10/21
21L0264-04	SB11_E1_14-15	12/10/21
21L0264-07	SB11_W1_14-15	12/10/21
21L0264-10	SB11_N1A_14-15	12/10/21
BL11829-DUP1	Duplicate	12/10/21

Batch ID: BL12157 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-02	SB11_S2_14-15	12/15/21
21L0264-11	SB11_N2_14-15	12/15/21
BL12157-BLK1	Blank	12/15/21
BL12157-DUP1	Duplicate	12/15/21
BL12157-MS1	Matrix Spike	12/15/21
BL12157-PS1	Post Spike	12/15/21
BL12157-SRM1	Reference	12/15/21

Batch ID: BL12314 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-02	SB11_S2_14-15	12/17/21
21L0264-11	SB11_N2_14-15	12/17/21
BL12314-DUP1	Duplicate	12/17/21

Batch ID: BL12648 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-03	SB11_S3_14-15	12/22/21
BL12648-DUP1	Duplicate	12/22/21

Batch ID: BL12669 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0264-03	SB11_S3_14-15	12/22/21
BL12669-BLK1	Blank	12/22/21
BL12669-DUP1	Duplicate	12/22/21
BL12669-MS1	Matrix Spike	12/22/21
BL12669-PS1	Post Spike	12/22/21
BL12669-SRM1	Reference	12/22/21

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11659 - EPA 3050B												
Blank (BL11659-BLK1)	Blank									Prepared: 12/08/2021 Analyzed: 12/09/2021		
Nickel		ND	1.00	mg/kg wet								
Duplicate (BL11659-DUP1)	Duplicate	*Source sample: 21L0260-06 (Duplicate)								Prepared: 12/08/2021 Analyzed: 12/09/2021		
Nickel		12.2	1.12	mg/kg dry		13.8				12.3	35	
Matrix Spike (BL11659-MS1)	Matrix Spike	*Source sample: 21L0260-06 (Matrix Spike)								Prepared: 12/08/2021 Analyzed: 12/09/2021		
Nickel		75.5	1.12	mg/kg dry	56.0	13.8	110	75-125				
Post Spike (BL11659-PS1)	Post Spike	*Source sample: 21L0260-06 (Post Spike)								Prepared: 12/08/2021 Analyzed: 12/09/2021		
Nickel		0.676		mg/L	0.500	0.123	111	75-125				
Reference (BL11659-SRM1)	Reference									Prepared: 12/08/2021 Analyzed: 12/09/2021		
Nickel		66.3	1.00	mg/kg wet	53.9		123	69.9-129.9				
Batch BL12157 - EPA 3050B												
Blank (BL12157-BLK1)	Blank									Prepared: 12/15/2021 Analyzed: 12/16/2021		
Nickel		ND	1.00	mg/kg wet								
Duplicate (BL12157-DUP1)	Duplicate	*Source sample: 21L0676-06 (Duplicate)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel		7.74	1.10	mg/kg dry		12.0				42.8	35	Non-dir.
Matrix Spike (BL12157-MS1)	Matrix Spike	*Source sample: 21L0676-06 (Matrix Spike)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel		65.4	1.10	mg/kg dry	55.1	12.0	97.0	75-125				
Post Spike (BL12157-PS1)	Post Spike	*Source sample: 21L0676-06 (Post Spike)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel		0.604		mg/L	0.500	0.108	99.2	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12157 - EPA 3050B											
Reference (BL12157-SRM1) Reference								Prepared: 12/15/2021 Analyzed: 12/16/2021			
Nickel	69.1	1.00	mg/kg wet	53.9		128	69.9-129.9				
Batch BL12669 - EPA 3050B											
Blank (BL12669-BLK1) Blank								Prepared: 12/22/2021 Analyzed: 12/27/2021			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL12669-DUP1) Duplicate	*Source sample: 21L1014-19 (Duplicate)							Prepared: 12/22/2021 Analyzed: 12/27/2021			
Nickel	6.74	1.29	mg/kg dry		6.75				0.197	35	
Matrix Spike (BL12669-MS1) Matrix Spike	*Source sample: 21L1014-19 (Matrix Spike)							Prepared: 12/22/2021 Analyzed: 12/27/2021			
Nickel	81.6	1.29	mg/kg dry	64.7	6.75	116	75-125				
Post Spike (BL12669-PS1) Post Spike	*Source sample: 21L1014-19 (Post Spike)							Prepared: 12/22/2021 Analyzed: 12/27/2021			
Nickel	0.654		mg/L	0.500	0.0521	120	75-125				
Reference (BL12669-SRM1) Reference								Prepared: 12/22/2021 Analyzed: 12/27/2021			
Nickel	67.2	1.00	mg/kg wet	53.9		125	69.9-129.9				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11829 - % Solids Prep												
Duplicate (BL11829-DUP1)	Duplicate	*Source sample: 21L0292-17 (Duplicate)								Prepared & Analyzed: 12/10/2021		
% Solids		87.2	0.100	%		86.0				1.32	20	
Batch BL12314 - % Solids Prep												
Duplicate (BL12314-DUP1)	Duplicate	*Source sample: 21L0468-02 (Duplicate)								Prepared & Analyzed: 12/17/2021		
% Solids		86.6	0.100	%		86.5				0.0823	20	
Batch BL12648 - % Solids Prep												
Duplicate (BL12648-DUP1)	Duplicate	*Source sample: 21L0950-01 (Duplicate)								Prepared & Analyzed: 12/22/2021		
% Solids		81.5	0.100	%		80.0				1.77	20	

120 RESEARCH DRIVE
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RICHMOND HILL, NY 11418
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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report Nickel for select samples.

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
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Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.: 21L0264

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st street 8th FL	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: KSemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170401

YOUR Project Name: 475 Bay St

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) 4

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Malgieri

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB11-S1-14-15	S	12/3/21 9:40	Nickel	
SB11-S2-14-15		9:50		HOLD
SB11-S3-14-15		10:30		HOLD
SB11-E1-14-15		10:50		
SB11-E2-14-15		11:10		HOLD
SB11-E3-14-15		11:30		HOLD
SB11-W1-14-15		11:55		
SB11-W2-14-15		12:05		HOLD
SB11-W3-14-15		12:25		HOLD
SB11-N1A-14-15		14:00		

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

- Field Filtered
- Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/3/21 1605	York	12/6/21 10:30	York	12/6/21 1930
2. Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francisco/York	12/6/21 1930	Francisco/York	12/6/21 2130		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlackburn	12/6/21 2130 / 3.1 Degrees C

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21L0264

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street 8th FL NY, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: KSeman@Langan	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Malgieri

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York [X]; New Jersey [ ]; Connecticut [ ]; Pennsylvania [ ]; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB11-N2-14-15	S	12/3/21 14:10	Nickel	HOLD

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered [ ]; Lab to Filter [ ]

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/3/21 16:05	York	12/6/21 10:20	York	12/6/21 1930
2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Frances/York	12/6/21 1930	Frances/York	12/6/21 2130		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blackman	12/6/21 2130 / 3.1 Degrees C

Technical Report

prepared for:

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

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0032

Revision No. 4.0

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

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

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0032

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 01, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

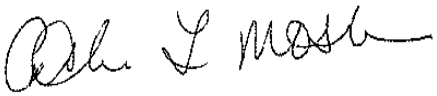
Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0032-01	SB02_N1_7-8	Soil	12/01/2021	12/01/2021
21L0032-04	SB02_E1_7-8	Soil	12/01/2021	12/01/2021
21L0032-05	SB02_E2_7-8	Soil	12/01/2021	12/01/2021
21L0032-07	SB02_W1_7-8	Soil	12/01/2021	12/01/2021
21L0032-10	SB02_S1_7-8	Soil	12/01/2021	12/01/2021
21L0032-13	SB01_E1_7-8	Soil	12/01/2021	12/01/2021
21L0032-14	SB01_E2_7-8	Soil	12/01/2021	12/01/2021
21L0032-15	SB01_E3_7-8	Soil	12/01/2021	12/01/2021
21L0032-16	SB01_S1_7-8	Soil	12/01/2021	12/01/2021
21L0032-17	SB01_S2_7-8	Soil	12/01/2021	12/01/2021
21L0032-18	SB01_S3_7-8	Soil	12/01/2021	12/01/2021
21L0032-19	SB01_N1_7-8	Soil	12/01/2021	12/01/2021
21L0032-20	SBDUP02_120121	Soil	12/01/2021	12/01/2021
21L0032-21	SB01_N2_7-8	Soil	12/01/2021	12/01/2021
21L0032-22	SB01_N3_7-8	Soil	12/01/2021	12/01/2021
21L0032-23	SB01_W1_7-8	Soil	12/01/2021	12/01/2021
21L0032-24	SB01_W2_7-8	Soil	12/01/2021	12/01/2021
21L0032-25	SB01_W3_7-8	Soil	12/01/2021	12/01/2021
21L0032-26	SB14_N1_8-9	Soil	12/01/2021	12/01/2021
21L0032-27	SB14_N2_8-9	Soil	12/01/2021	12/01/2021
21L0032-29	SB14_E1_8-9	Soil	12/01/2021	12/01/2021
21L0032-30	SB14_S1_8-9	Soil	12/01/2021	12/01/2021

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0032-31	SB14_S2_8-9	Soil	12/01/2021	12/01/2021
21L0032-32	SB14_S3_8-9	Soil	12/01/2021	12/01/2021
21L0032-33	SB14_W1_8-9	Soil	12/01/2021	12/01/2021
21L0032-34	SB14_W2_8-9	Soil	12/01/2021	12/01/2021
21L0032-35	SB14_W3_8-9	Soil	12/01/2021	12/01/2021
21L0032-36	FB01_120121	Water	12/01/2021	12/01/2021

General Notes for York Project (SDG) No.: 21L0032

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

Approved By  **Date:** 01/13/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB02_N1_7-8 **York Sample ID:** 21L0032-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 7:56 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**244**		mg/kg dry	1.16	1	EPA 6010D	12/02/2021 15:24	12/03/2021 16:32	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.9**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB02_E1_7-8 **York Sample ID:** 21L0032-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 8:08 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**686**		mg/kg dry	1.35	1	EPA 6010D	12/02/2021 15:24	12/03/2021 16:34	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.1**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB02_E2_7-8 **York Sample ID:** 21L0032-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 8:17 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**177**		mg/kg dry	1.15	1	EPA 6010D	12/13/2021 16:00	12/14/2021 17:50	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB02_W1_7-8 **York Sample ID:** 21L0032-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 8:30 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**68.0**		mg/kg dry	1.12	1	EPA 6010D	12/02/2021 15:24	12/03/2021 16:43	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB02_S1_7-8 **York Sample ID:** 21L0032-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 8:52 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**176**		mg/kg dry	1.16	1	EPA 6010D	12/02/2021 15:24	12/03/2021 16:46	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_E1_7-8 **York Sample ID:** 21L0032-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:03 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**282**		mg/kg dry	1.24	1	EPA 6010D	12/02/2021 15:24	12/03/2021 16:49	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.205**		mg/kg dry	0.0372	1	EPA 7473	12/06/2021 12:41	12/06/2021 17:02	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.6**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB01_E2_7-8** **York Sample ID:** **21L0032-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:08 am	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**544**		mg/kg dry	1.35	1	EPA 6010D	01/10/2022 14:39	01/11/2022 14:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.3**		%	0.100	1	SM 2540G	01/11/2022 12:12	01/11/2022 14:40	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_E3_7-8 **York Sample ID:** 21L0032-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:12 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**427**		mg/kg dry	1.34	1	EPA 6010D	01/12/2022 15:39	01/13/2022 12:07	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.6**		%	0.100	1	SM 2540G	01/13/2022 12:12	01/13/2022 14:15	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_S1_7-8 **York Sample ID:** 21L0032-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:21 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**444**		mg/kg dry	1.27	1	EPA 6010D	12/02/2021 15:27	12/03/2021 20:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.208**		mg/kg dry	0.0382	1	EPA 7473	12/06/2021 12:41	12/06/2021 17:09	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.5**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_S2_7-8 **York Sample ID:** 21L0032-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:33 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**661**		mg/kg dry	1.17	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:39	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.6**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_S3_7-8 **York Sample ID:** 21L0032-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:40 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**429**		mg/kg dry	1.32	1	EPA 6010D	12/22/2021 14:39	12/27/2021 20:54	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.6**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB01_N1_7-8** **York Sample ID:** **21L0032-19**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:51 am	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**442**		mg/kg dry	1.26	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.363**		mg/kg dry	0.0377	1	EPA 7473	12/06/2021 12:41	12/06/2021 17:18	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.5**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SBDUP02_120121** **York Sample ID:** **21L0032-20**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:51 am	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**314**		mg/kg dry	1.31	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:02	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.326**		mg/kg dry	0.0393	1	EPA 7473	12/06/2021 12:41	12/06/2021 17:27	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.3**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_N2_7-8 **York Sample ID:** 21L0032-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 10:55 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**449**		mg/kg dry	1.33	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.5**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB01_N3_7-8** **York Sample ID:** **21L0032-22**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:02 am	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**367**		mg/kg dry	1.31	1	EPA 6010D	12/22/2021 14:39	12/27/2021 20:56	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.4**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_W1_7-8 **York Sample ID:** 21L0032-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:05 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**356**		mg/kg dry	1.28	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:05	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.213**		mg/kg dry	0.0383	1	EPA 7473	12/06/2021 12:41	12/06/2021 17:36	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.3**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_W2_7-8 **York Sample ID:** 21L0032-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:10 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**391**		mg/kg dry	1.25	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.7**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_W3_7-8 **York Sample ID:** 21L0032-25

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:13 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**289**		mg/kg dry	1.25	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:05	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB14_N1_8-9 **York Sample ID:** 21L0032-26

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:23 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**413**		mg/kg dry	1.18	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:07	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.1**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB14_N2_8-9 **York Sample ID:** 21L0032-27

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 11:30 am	12/01/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**302**		mg/kg dry	1.24	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:53	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.5**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB14_E1_8-9 **York Sample ID:** 21L0032-29

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 12:55 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**477**		mg/kg dry	1.23	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:10	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.6**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB14_S1_8-9 **York Sample ID:** 21L0032-30

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:11 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**527**		mg/kg dry	1.14	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.5**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB14_S2_8-9 **York Sample ID:** 21L0032-31

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:18 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**564**		mg/kg dry	1.13	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:55	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.4**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB14_S3_8-9 **York Sample ID:** 21L0032-32

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:24 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**231**		mg/kg dry	1.30	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:08	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.0**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB14_W1_8-9 **York Sample ID:** 21L0032-33

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:33 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**388**		mg/kg dry	1.11	1	EPA 6010D	12/02/2021 15:27	12/03/2021 21:31	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		%	0.100	1	SM 2540G	12/07/2021 09:16	12/07/2021 14:18	JAG
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB14_W2_8-9** **York Sample ID:** **21L0032-34**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:41 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**1240**		mg/kg dry	1.14	1	EPA 6010D	12/13/2021 16:00	12/14/2021 16:58	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.7**		%	0.100	1	SM 2540G	12/13/2021 13:35	12/13/2021 18:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB14_W3_8-9 **York Sample ID:** 21L0032-35

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Soil	December 1, 2021 1:50 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**252**		mg/kg dry	1.15	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:10	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB01_120121 **York Sample ID:** 21L0032-36

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0032	170610601	Water	December 1, 2021 2:00 pm	12/01/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	12/03/2021 09:35	12/04/2021 12:20	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	12/01/2021 19:11	12/01/2021 19:11	AD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA21543 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-14	SB01_E2_7-8	01/10/22
BA21543-BLK1	Blank	01/10/22
BA21543-DUP1	Duplicate	01/10/22
BA21543-MS1	Matrix Spike	01/10/22
BA21543-PS1	Post Spike	01/10/22
BA21543-SRM1	Reference	01/10/22

Batch ID: BA21609 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-14	SB01_E2_7-8	01/11/22
BA21609-DUP1	Duplicate	01/11/22

Batch ID: BA21712 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-15	SB01_E3_7-8	01/12/22
BA21712-BLK1	Blank	01/12/22
BA21712-DUP1	Duplicate	01/12/22
BA21712-MS1	Matrix Spike	01/12/22
BA21712-PS1	Post Spike	01/12/22
BA21712-SRM1	Reference	01/12/22

Batch ID: BA21772 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-15	SB01_E3_7-8	01/13/22
BA21772-DUP1	Duplicate	01/13/22

Batch ID: BL11235 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-36	FB01_120121	12/01/21
BL11235-BLK1	Blank	12/01/21
BL11235-BS1	LCS	12/01/21
BL11235-DUP1	Duplicate	12/01/21
BL11235-MS1	Matrix Spike	12/01/21

Batch ID: BL11299 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-01	SB02_N1_7-8	12/02/21

21L0032-04	SB02_E1_7-8	12/02/21
21L0032-07	SB02_W1_7-8	12/02/21
21L0032-10	SB02_S1_7-8	12/02/21
21L0032-13	SB01_E1_7-8	12/02/21
BL11299-BLK1	Blank	12/02/21
BL11299-DUP1	Duplicate	12/02/21
BL11299-MS1	Matrix Spike	12/02/21
BL11299-PS1	Post Spike	12/02/21
BL11299-SRM1	Reference	12/02/21

Batch ID: BL11300 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-16	SB01_S1_7-8	12/02/21
21L0032-19	SB01_N1_7-8	12/02/21
21L0032-20	SBDUP02_120121	12/02/21
21L0032-23	SB01_W1_7-8	12/02/21
21L0032-26	SB14_N1_8-9	12/02/21
21L0032-29	SB14_E1_8-9	12/02/21
21L0032-30	SB14_S1_8-9	12/02/21
21L0032-33	SB14_W1_8-9	12/02/21
BL11300-BLK1	Blank	12/02/21
BL11300-DUP1	Duplicate	12/02/21
BL11300-MS1	Matrix Spike	12/02/21
BL11300-PS1	Post Spike	12/02/21
BL11300-SRM1	Reference	12/02/21

Batch ID: BL11356 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-36	FB01_120121	12/03/21
BL11356-BLK1	Blank	12/03/21
BL11356-BS1	LCS	12/03/21
BL11356-DUP1	Duplicate	12/03/21
BL11356-MS1	Matrix Spike	12/03/21
BL11356-PS1	Post Spike	12/03/21

Batch ID: BL11459 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-13	SB01_E1_7-8	12/06/21
21L0032-16	SB01_S1_7-8	12/06/21
21L0032-19	SB01_N1_7-8	12/06/21
21L0032-20	SBDUP02_120121	12/06/21
21L0032-23	SB01_W1_7-8	12/06/21
BL11459-BLK1	Blank	12/06/21
BL11459-DUP1	Duplicate	12/06/21
BL11459-MS1	Matrix Spike	12/06/21
BL11459-SRM1	Reference	12/06/21

Batch ID: BL11524 **Preparation Method:** % Solids Prep **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-01	SB02_N1_7-8	12/07/21
21L0032-04	SB02_E1_7-8	12/07/21
21L0032-07	SB02_W1_7-8	12/07/21
21L0032-10	SB02_S1_7-8	12/07/21
21L0032-13	SB01_E1_7-8	12/07/21
21L0032-16	SB01_S1_7-8	12/07/21
21L0032-19	SB01_N1_7-8	12/07/21
21L0032-20	SBDUP02_120121	12/07/21
21L0032-23	SB01_W1_7-8	12/07/21
21L0032-26	SB14_N1_8-9	12/07/21
21L0032-29	SB14_E1_8-9	12/07/21
21L0032-30	SB14_S1_8-9	12/07/21
21L0032-33	SB14_W1_8-9	12/07/21
BL11524-DUP1	Duplicate	12/07/21

Batch ID: BL11945 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-05	SB02_E2_7-8	12/13/21
21L0032-17	SB01_S2_7-8	12/13/21
21L0032-21	SB01_N2_7-8	12/13/21
21L0032-24	SB01_W2_7-8	12/13/21
21L0032-27	SB14_N2_8-9	12/13/21
21L0032-31	SB14_S2_8-9	12/13/21
21L0032-34	SB14_W2_8-9	12/13/21
BL11945-DUP1	Duplicate	12/13/21

Batch ID: BL11961 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-05	SB02_E2_7-8	12/13/21
21L0032-17	SB01_S2_7-8	12/13/21
21L0032-21	SB01_N2_7-8	12/13/21
21L0032-24	SB01_W2_7-8	12/13/21
21L0032-27	SB14_N2_8-9	12/13/21
21L0032-31	SB14_S2_8-9	12/13/21
21L0032-34	SB14_W2_8-9	12/13/21
BL11961-BLK1	Blank	12/13/21
BL11961-DUP1	Duplicate	12/13/21
BL11961-MS1	Matrix Spike	12/13/21
BL11961-PS1	Post Spike	12/13/21
BL11961-SRM1	Reference	12/13/21

Batch ID: BL12648 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-18	SB01_S3_7-8	12/22/21
21L0032-22	SB01_N3_7-8	12/22/21
21L0032-25	SB01_W3_7-8	12/22/21
21L0032-32	SB14_S3_8-9	12/22/21
21L0032-35	SB14_W3_8-9	12/22/21
BL12648-DUP1	Duplicate	12/22/21

Batch ID: BL12669 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0032-18	SB01_S3_7-8	12/22/21
21L0032-22	SB01_N3_7-8	12/22/21
21L0032-25	SB01_W3_7-8	12/22/21
21L0032-32	SB14_S3_8-9	12/22/21
21L0032-35	SB14_W3_8-9	12/22/21
BL12669-BLK1	Blank	12/22/21
BL12669-DUP1	Duplicate	12/22/21
BL12669-MS1	Matrix Spike	12/22/21
BL12669-PS1	Post Spike	12/22/21
BL12669-SRM1	Reference	12/22/21

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21543 - EPA 3050B												
Blank (BA21543-BLK1)	Blank									Prepared: 01/10/2022 Analyzed: 01/11/2022		
Nickel		ND	1.00	mg/kg wet								
Duplicate (BA21543-DUP1)	Duplicate	*Source sample: 22A0276-05 (Duplicate)								Prepared: 01/10/2022 Analyzed: 01/12/2022		
Nickel		16.7	1.33	mg/kg dry		ND					35	
Matrix Spike (BA21543-MS1)	Matrix Spike	*Source sample: 22A0276-05 (Matrix Spike)								Prepared: 01/10/2022 Analyzed: 01/12/2022		
Nickel		40.4	1.33	mg/kg dry	66.4	ND	60.9	75-125	Low Bias			
Post Spike (BA21543-PS1)	Post Spike	*Source sample: 22A0276-05 (Post Spike)								Prepared: 01/10/2022 Analyzed: 01/12/2022		
Nickel		0.766		mg/L	0.500	-0.00949	153	75-125	High Bias			
Reference (BA21543-SRM1)	Reference									Prepared: 01/10/2022 Analyzed: 01/11/2022		
Nickel		73.5	1.00	mg/kg wet	53.9		136	69.9-129.9	High Bias			
Batch BA21712 - EPA 3050B												
Blank (BA21712-BLK1)	Blank									Prepared: 01/12/2022 Analyzed: 01/13/2022		
Nickel		ND	1.00	mg/kg wet								
Duplicate (BA21712-DUP1)	Duplicate	*Source sample: 22A0467-01 (Duplicate)								Prepared: 01/12/2022 Analyzed: 01/13/2022		
Nickel		13.4	1.11	mg/kg dry		8.36				46.5	35	Non-dir.
Matrix Spike (BA21712-MS1)	Matrix Spike	*Source sample: 22A0467-01 (Matrix Spike)								Prepared: 01/12/2022 Analyzed: 01/13/2022		
Nickel		66.7	1.11	mg/kg dry	55.6	8.36	105	75-125				
Post Spike (BA21712-PS1)	Post Spike	*Source sample: 22A0467-01 (Post Spike)								Prepared: 01/12/2022 Analyzed: 01/13/2022		
Nickel		0.631		mg/L	0.500	0.0752	111	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21712 - EPA 3050B											
Reference (BA21712-SRM1) Reference								Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	64.6	1.00	mg/kg wet	53.9		120	69.9-129.9				
Batch BL11299 - EPA 3050B											
Blank (BL11299-BLK1) Blank								Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL11299-DUP1) Duplicate	*Source sample: 21L0046-15 (Duplicate)							Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	2.64	1.10	mg/kg dry		3.39				24.7	35	
Matrix Spike (BL11299-MS1) Matrix Spike	*Source sample: 21L0046-15 (Matrix Spike)							Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	63.4	1.10	mg/kg dry	55.0	3.39	109	75-125				
Post Spike (BL11299-PS1) Post Spike	*Source sample: 21L0046-15 (Post Spike)							Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	0.582		mg/L	0.500	0.0308	110	75-125				
Reference (BL11299-SRM1) Reference								Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	70.7	1.00	mg/kg wet	53.9		131	69.9-129.9	High Bias			
Batch BL11300 - EPA 3050B											
Blank (BL11300-BLK1) Blank								Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL11300-DUP1) Duplicate	*Source sample: 21L0032-29 (SB14_E1_8-9)							Prepared: 12/02/2021 Analyzed: 12/03/2021			
Nickel	520	1.23	mg/kg dry		477				8.71	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11300 - EPA 3050B											
Matrix Spike (BL11300-MS1) Matrix Spike	*Source sample: 21L0032-29 (SB14_E1_8-9)								Prepared: 12/02/2021 Analyzed: 12/03/2021		
Nickel	412	1.23	mg/kg dry	61.3	477	NR	75-125	Low Bias			
Post Spike (BL11300-PS1) Post Spike	*Source sample: 21L0032-29 (SB14_E1_8-9)								Prepared: 12/02/2021 Analyzed: 12/03/2021		
Nickel	4.30		mg/L	0.500	3.89	81.9	75-125				
Reference (BL11300-SRM1) Reference									Prepared: 12/02/2021 Analyzed: 12/03/2021		
Nickel	67.5	1.00	mg/kg wet	53.9		125	69.9-129.9				
Batch BL11356 - EPA 3015A											
Blank (BL11356-BLK1) Blank									Prepared: 12/03/2021 Analyzed: 12/04/2021		
Nickel	ND	0.0111	mg/L								
LCS (BL11356-BS1) LCS									Prepared: 12/03/2021 Analyzed: 12/04/2021		
Nickel	0.508		mg/L	0.500		102	80-120				
Duplicate (BL11356-DUP1) Duplicate	*Source sample: 21L0057-02 (Duplicate)								Prepared: 12/03/2021 Analyzed: 12/04/2021		
Nickel	ND	0.0111	mg/L		ND					20	
Matrix Spike (BL11356-MS1) Matrix Spike	*Source sample: 21L0057-02 (Matrix Spike)								Prepared: 12/03/2021 Analyzed: 12/04/2021		
Nickel	0.604	0.0111	mg/L	0.556	ND	109	75-125				
Post Spike (BL11356-PS1) Post Spike	*Source sample: 21L0057-02 (Post Spike)								Prepared: 12/03/2021 Analyzed: 12/04/2021		
Nickel	0.543		mg/L	0.500	0.000454	108	75-125				
Batch BL11961 - EPA 3050B											
Blank (BL11961-BLK1) Blank									Prepared: 12/13/2021 Analyzed: 12/14/2021		
Nickel	ND	1.00	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11961 - EPA 3050B											
Duplicate (BL11961-DUP1) Duplicate	*Source sample: 21L0628-01 (Duplicate)								Prepared: 12/13/2021 Analyzed: 12/15/2021		
Nickel	ND	1.37	mg/kg dry		3.73					35	
Matrix Spike (BL11961-MS1) Matrix Spike	*Source sample: 21L0628-01 (Matrix Spike)								Prepared: 12/13/2021 Analyzed: 12/15/2021		
Nickel	77.1	1.37	mg/kg dry	68.5	3.73	107	75-125				
Post Spike (BL11961-PS1) Post Spike	*Source sample: 21L0628-01 (Post Spike)								Prepared: 12/13/2021 Analyzed: 12/15/2021		
Nickel	0.567		mg/L	0.500	0.0272	108	75-125				
Reference (BL11961-SRM1) Reference									Prepared: 12/13/2021 Analyzed: 12/14/2021		
Nickel	71.7	1.00	mg/kg wet	53.9		133	69.9-129.9	High Bias			
Batch BL12669 - EPA 3050B											
Blank (BL12669-BLK1) Blank									Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL12669-DUP1) Duplicate	*Source sample: 21L1014-19 (Duplicate)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	6.74	1.29	mg/kg dry		6.75				0.197	35	
Matrix Spike (BL12669-MS1) Matrix Spike	*Source sample: 21L1014-19 (Matrix Spike)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	81.6	1.29	mg/kg dry	64.7	6.75	116	75-125				
Post Spike (BL12669-PS1) Post Spike	*Source sample: 21L1014-19 (Post Spike)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	0.654		mg/L	0.500	0.0521	120	75-125				
Reference (BL12669-SRM1) Reference									Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	67.2	1.00	mg/kg wet	53.9		125	69.9-129.9				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11235 - EPA SW846-7470A												
Blank (BL11235-BLK1)	Blank								Prepared & Analyzed: 12/01/2021			
Mercury		ND	0.0002	mg/L								
LCS (BL11235-BS1)	LCS								Prepared & Analyzed: 12/01/2021			
Mercury		0.0020439	0.0002	mg/L	0.00200		102	80-120				
Duplicate (BL11235-DUP1)	Duplicate	*Source sample: 21L0057-02 (Duplicate)							Prepared & Analyzed: 12/01/2021			
Mercury		ND	0.0002	mg/L		ND					20	
Matrix Spike (BL11235-MS1)	Matrix Spike	*Source sample: 21L0057-02 (Matrix Spike)							Prepared & Analyzed: 12/01/2021			
Mercury		0.0023	0.0002	mg/L	0.00200	ND	116	75-125				
Batch BL11459 - EPA 7473 soil												
Blank (BL11459-BLK1)	Blank								Prepared & Analyzed: 12/06/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL11459-DUP1)	Duplicate	*Source sample: 21L0016-10 (Duplicate)							Prepared & Analyzed: 12/06/2021			
Mercury		0.694	0.0354	mg/kg dry		0.744				6.93	35	
Matrix Spike (BL11459-MS1)	Matrix Spike	*Source sample: 21L0016-10 (Matrix Spike)							Prepared & Analyzed: 12/06/2021			
Mercury		0.960		mg/kg	0.500	0.631	65.8	75-125	Low Bias			
Reference (BL11459-SRM1)	Reference								Prepared & Analyzed: 12/06/2021			
Mercury		25.172		mg/kg	27.2		92.5	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21609 - % Solids Prep												
Duplicate (BA21609-DUP1)	Duplicate	*Source sample: 22A0363-03 (Duplicate)								Prepared & Analyzed: 01/11/2022		
% Solids		88.2	0.100	%		90.9				3.02	20	
Batch BA21772 - % Solids Prep												
Duplicate (BA21772-DUP1)	Duplicate	*Source sample: 22A0417-18 (Duplicate)								Prepared & Analyzed: 01/13/2022		
% Solids		89.6	0.100	%		90.0				0.456	20	
Batch BL11524 - % Solids Prep												
Duplicate (BL11524-DUP1)	Duplicate	*Source sample: 21L0032-29 (SB14_E1_8-9)								Prepared & Analyzed: 12/07/2021		
% Solids		84.5	0.100	%		81.6				3.53	20	
Batch BL11945 - % Solids Prep												
Duplicate (BL11945-DUP1)	Duplicate	*Source sample: 21L0473-02 (Duplicate)								Prepared & Analyzed: 12/13/2021		
% Solids		72.7	0.100	%		63.6				13.4	20	
Batch BL12648 - % Solids Prep												
Duplicate (BL12648-DUP1)	Duplicate	*Source sample: 21L0950-01 (Duplicate)								Prepared & Analyzed: 12/22/2021		
% Solids		81.5	0.100	%		80.0				1.77	20	

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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report sample -15 for Ni.

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Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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YORK Project No. 212032

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: Langan	Company: Langan	170110601	RUSH - Next Day
Address: 360 W 31st Street, 8th fl NY, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: ksemon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil / Other	Other:		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB02-N1-7-8	S	12/1/2021 7:56	Nickel	
SB02-N2-7-8	S	8:00		HOLD
SB02-N3-7-8	S	8:05		HOLD
SB02-E1-7-8	S	8:08		
SB02-E2-7-8	S	8:17		HOLD
SB02-E3-7-8	S	8:22		HOLD
SB02-W1-7-8	S	8:30		
SB02-W2-7-8	S	8:36		HOLD
SB02-W3-7-8	S	8:45		HOLD
SB02-S1-7-8	S	8:52		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Fred Heltzer/Langan	12/1/2021	K Merk	12/1/21 15:00	K Merk	12/1/21 1800
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time
Fedex Ground	12/1/21 18:00	Fedex-NY	12/2/21 2045		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received at LAB by	Date/Time / Temperature
				KBlocker	12/1/21 2045 / 2.0 °C

Field Chain-of-Custody Record

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YORK Project No. 212032

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: Langan	Company: Langan	170610601	RUSH - Next Day
Address: 360 31st Street, 8th fl, Long Island City, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: kseman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) Farielle Barrer

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil / Other	Other:		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB02-S2-7-8	S	12/1/2021 9:02	Nickel	HOLD
SB02-S3-7-8	S	12/1/2021 9:20	↓	HOLD
SB01-E1-7-8	S	10:03	Mercury + Nickel	
SB01-E2-7-8	S	10:08	↓	HOLD
SB01-E3-7-8	S	10:12		HOLD
SB01-S1-7-8	S	10:21		
SB01-S2-7-8	S	10:36		HOLD
SB01-S3-7-8	S	10:40		HOLD
SB01-N1-7-8	S	10:51		
SB04P02-120121	S		↓	

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Farielle Barrer/Langan	12/1/2021	YR York	12/1/21 15:00	YR York	12/1/21 1800
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
FedEx	12/1/21 1500	FedEx	12/1/21 2045		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received at LAB by	Date/Time / Temperature
				KBlocher	12/1/21 2045 / 2.0

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YORK Project No. 212032

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YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company: Langan
Address: 300 W. 39th Street, 8th fl NY, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: KSeman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Farielle Bazan
AllB

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB01_N2_7-8	S	12/1/2021 10:55	Mercury + Nickel	HOLD
SB01_N3_7-8	S	11:02		HOLD
SB01_N1_7-8	S	11:05		
SB01_W2_7-8	S	11:10		HOLD
SB01_W3_7-8	S	11:13		HOLD
SB14_N1_8-9	S	11:23	Nickel	
SB14_N2_8-9	S	11:30		HOLD
SB14_N3_8-9	S	11:[illegible]		HOLD
SB14_E1_8-9	S	12:55		MS/MSD
SB14_S1_8-9	S	13:11		

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered	
Lab to Filter	

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Farielle Bazan/Langan		YK York	12/1/21 15:00	YK York	12/1/21 1pm
Fedex	12/1/21 1700	Fedex	12/1/21 2045		
3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time	Samples Received at LAB by	Date/Time / Temperature
				KBlanton	12/1/21 2045 / 2.0

Field Chain-of-Custody Record

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YORK Project No. 21L0032

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YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company: Langan
Address: 360 W. 31st Street, 8th fl NY, NY	Address: "	Address: "
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: KSemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) Frank Bazzo

Matrix Codes

S - soil / solid	
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil / Other	

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package		NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB14_S2_8-9	S	12/1/2021 13:16	Nickel	HOLD
SB14_S3_8-9	S	12/1/2021 13:24		HOLD
SB14_W1_8-9	S	13:33		
SB14_W2_8-9	S	13:41		HOLD
SB14_W3_8-9	S	13:50		HOLD
FB01_120121	Aq	14:00	Mercury & Nickel	

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered	
Lab to Filter	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Frank Bazzo / Langan	12/1/2021	[illegible] / YORK	12/1/21 15:00	[illegible] / York	12/1/21 1900
FEDEX / York	12/1/21	[illegible]	12/1/21 2045		

Samples Received in LAB by: K Blouin 12/1/21 2045 Temperature: 2.0

Technical Report

prepared for:

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

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0147

Revision No. 4.0

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

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www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0147

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 02, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0147-01	SB15_S1_7-8	Soil	12/02/2021	12/02/2021
21L0147-02	SB15_S2_7-8	Soil	12/02/2021	12/02/2021
21L0147-03	SB15_S3_7-8	Soil	12/02/2021	12/02/2021
21L0147-04	SB15_N1_7-8	Soil	12/02/2021	12/02/2021
21L0147-05	SB15_N2_7-8	Soil	12/02/2021	12/02/2021
21L0147-06	SB15_N3_7-8	Soil	12/02/2021	12/02/2021
21L0147-07	SB15_E1_7-8	Soil	12/02/2021	12/02/2021
21L0147-08	SB15_E2_7-8	Soil	12/02/2021	12/02/2021
21L0147-09	SB15_E3_7-8	Soil	12/02/2021	12/02/2021
21L0147-10	SB15_W1_7-8	Soil	12/02/2021	12/02/2021
21L0147-11	SB15_W2_7-8	Soil	12/02/2021	12/02/2021
21L0147-12	SB15_W3_7-8	Soil	12/02/2021	12/02/2021
21L0147-13	SODUP03_120221	Soil	12/02/2021	12/02/2021
21L0147-14	SB16_E1_14-15	Soil	12/02/2021	12/02/2021
21L0147-15	SB16_E2_14-15	Soil	12/02/2021	12/02/2021
21L0147-17	SB16_W1_14-15	Soil	12/02/2021	12/02/2021
21L0147-18	SB16_W2_14-15	Soil	12/02/2021	12/02/2021
21L0147-19	SB16_W3_14-15	Soil	12/02/2021	12/02/2021
21L0147-20	SB16_S1_14-15	Soil	12/02/2021	12/02/2021
21L0147-21	SB16_S2_14-15	Soil	12/02/2021	12/02/2021
21L0147-22	SB16_S3_14-15	Soil	12/02/2021	12/02/2021
21L0147-23	SB16_N1_14-15	Soil	12/02/2021	12/02/2021

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0147-24	SB16_N2_14-15	Soil	12/02/2021	12/02/2021
21L0147-25	SB16_N3_14-15	Soil	12/02/2021	12/02/2021
21L0147-26	SB101_W1_5-6	Soil	12/02/2021	12/02/2021
21L0147-27	SB101_E1_5-6	Soil	12/02/2021	12/02/2021
21L0147-28	SB101_N1_5-6	Soil	12/02/2021	12/02/2021
21L0147-33	SB101_S1_5-6	Soil	12/02/2021	12/02/2021
21L0147-36	FB02_120221	Water	12/02/2021	12/02/2021

General Notes for York Project (SDG) No.: 21L0147

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

Approved By **Date:** 01/13/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB15_S1_7-8 **York Sample ID:** 21L0147-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 8:29 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**524**		mg/kg dry	1.18	1	EPA 6010D	12/06/2021 15:09	12/07/2021 19:55	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.6**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB15_S2_7-8 **York Sample ID:** 21L0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 8:36 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**724**		mg/kg dry	1.15	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:07	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.3**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_S3_7-8 **York Sample ID:** 21L0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 8:54 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**643**		mg/kg dry	1.17	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:13	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.7**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB15_N1_7-8** **York Sample ID:** **21L0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 8:59 am	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**680**		mg/kg dry	1.22	1	EPA 6010D	12/06/2021 15:09	12/07/2021 19:58	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.6**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB15_N2_7-8 **York Sample ID:** 21L0147-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:08 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**591**		mg/kg dry	1.16	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:10	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB15_N3_7-8** **York Sample ID:** **21L0147-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:17 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**510**		mg/kg dry	1.15	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.2**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB15_E1_7-8 **York Sample ID:** 21L0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:26 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**598**		mg/kg dry	1.14	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:07	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.0**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB15_E2_7-8 **York Sample ID:** 21L0147-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:31 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**725**		mg/kg dry	1.15	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:18	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.0**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB15_E3_7-8** **York Sample ID:** **21L0147-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:40 am	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**683**		mg/kg dry	1.23	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.0**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB15_W1_7-8** **York Sample ID:** **21L0147-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:46 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**182**		mg/kg dry	1.10	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:10	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.9**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB15_W2_7-8** **York Sample ID:** **21L0147-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 9:52 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**697**		mg/kg dry	1.15	1	EPA 6010D	01/10/2022 14:39	01/11/2022 14:46	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.6**		%	0.100	1	SM 2540G	01/11/2022 12:12	01/11/2022 14:40	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB15_W3_7-8** **York Sample ID:** **21L0147-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 10:12 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**600**		mg/kg dry	1.18	1	EPA 6010D	01/12/2022 15:39	01/13/2022 12:09	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.7**		%	0.100	1	SM 2540G	01/13/2022 12:12	01/13/2022 14:15	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SODUP03_120221 **York Sample ID:** 21L0147-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 2:55 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**473**		mg/kg dry	1.22	1	EPA 6010D	12/07/2021 22:01	12/08/2021 14:12	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.3**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_E1_14-15** **York Sample ID:** **21L0147-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 10:48 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**632**		mg/kg dry	1.27	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:12	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.0**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB16_E2_14-15 **York Sample ID:** 21L0147-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 10:52 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**256**		mg/kg dry	1.25	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:21	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.0**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_W1_14-15** **York Sample ID:** **21L0147-17**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 11:12 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**585**		mg/kg dry	1.27	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:15	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.7**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_W2_14-15** **York Sample ID:** **21L0147-18**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 11:32 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**1840**		mg/kg dry	1.21	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:23	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.4**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_W3_14-15** **York Sample ID:** **21L0147-19**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 11:42 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**515**		mg/kg dry	1.28	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.9**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_S1_14-15** **York Sample ID:** **21L0147-20**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 11:48 am	12/02/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**456**		mg/kg dry	1.30	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:17	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.9**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_S2_14-15** **York Sample ID:** **21L0147-21**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 12:03 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**360**		mg/kg dry	1.25	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:26	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_S3_14-15** **York Sample ID:** **21L0147-22**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 12:33 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**176**		mg/kg dry	1.22	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.3**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_N1_14-15** **York Sample ID:** **21L0147-23**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 12:39 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**343**		mg/kg dry	1.31	1	EPA 6010D	12/06/2021 15:09	12/07/2021 20:20	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.1**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_N2_14-15** **York Sample ID:** **21L0147-24**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 12:57 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**467**		mg/kg dry	1.18	1	EPA 6010D	12/15/2021 15:17	12/17/2021 14:28	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.1**		%	0.100	1	SM 2540G	12/17/2021 09:45	12/17/2021 18:59	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_N3_14-15** **York Sample ID:** **21L0147-25**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 1:04 pm	12/02/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**537**		mg/kg dry	1.23	1	EPA 6010D	12/22/2021 14:39	12/27/2021 21:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.3**		%	0.100	1	SM 2540G	12/22/2021 10:57	12/22/2021 16:58	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB101_W1_5-6 **York Sample ID:** 21L0147-26

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 1:36 pm	12/02/2021

Semi-Volatiles, Select PAH (A)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**1.22**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**1.09**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.761**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.849**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**1.19**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.186**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**2.94**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.593**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**2.09**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**2.34**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:12	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*71.4 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.4**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB101_E1_5-6 **York Sample ID:** 21L0147-27

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 1:41 pm	12/02/2021

Semi-Volatiles, Select PAH (A)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	Phenanthrene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D	12/03/2021 13:03	12/04/2021 02:42	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.6 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.0**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB101_N1_5-6 **York Sample ID:** 21L0147-28

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 1:56 pm	12/02/2021

Semi-Volatiles, Select PAH (A)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.0649**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	Phenanthrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0519**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*76.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.8**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB101_S1_5-6 **York Sample ID:** 21L0147-33

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Soil	December 2, 2021 2:17 pm	12/02/2021

Semi-Volatiles, Select PAH (A)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.573**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.579**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.501**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.434**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.600**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.118**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**1.21**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.399**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.526**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.952**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	12/03/2021 13:03	12/04/2021 03:41	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*65.2 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	12/09/2021 09:23	12/09/2021 15:35	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB02_120221 **York Sample ID:** 21L0147-36

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0147	170610601	Water	December 2, 2021 2:30 pm	12/02/2021

Semi-Volatiles, Select PAH - Surrogates

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*56.8 %*		*50.2-113*							
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.4 %*		*39.9-105*							
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.6 %*		*30.7-106*							

Semi-Volatiles, Select PAH (A)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	12/08/2021 07:38	12/09/2021 12:00	KH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	12/07/2021 10:45	12/07/2021 16:05	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA21543 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-11	SB15_W2_7-8	01/10/22
BA21543-BLK1	Blank	01/10/22
BA21543-DUP1	Duplicate	01/10/22
BA21543-MS1	Matrix Spike	01/10/22
BA21543-PS1	Post Spike	01/10/22
BA21543-SRM1	Reference	01/10/22

Batch ID: BA21609 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-11	SB15_W2_7-8	01/11/22
BA21609-DUP1	Duplicate	01/11/22

Batch ID: BA21712 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-12	SB15_W3_7-8	01/12/22
BA21712-BLK1	Blank	01/12/22
BA21712-DUP1	Duplicate	01/12/22
BA21712-MS1	Matrix Spike	01/12/22
BA21712-PS1	Post Spike	01/12/22
BA21712-SRM1	Reference	01/12/22

Batch ID: BA21772 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-12	SB15_W3_7-8	01/13/22
BA21772-DUP1	Duplicate	01/13/22

Batch ID: BL11367 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-26	SB101_W1_5-6	12/03/21
21L0147-27	SB101_E1_5-6	12/03/21
21L0147-28	SB101_N1_5-6	12/03/21
21L0147-33	SB101_S1_5-6	12/03/21
BL11367-BLK1	Blank	12/03/21
BL11367-BS1	LCS	12/03/21
BL11367-MS1	Matrix Spike	12/03/21
BL11367-MSD1	Matrix Spike Dup	12/03/21

Batch ID: BL11480 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-01	SB15_S1_7-8	12/06/21
21L0147-04	SB15_N1_7-8	12/06/21
21L0147-07	SB15_E1_7-8	12/06/21
21L0147-10	SB15_W1_7-8	12/06/21
21L0147-14	SB16_E1_14-15	12/06/21
21L0147-17	SB16_W1_14-15	12/06/21
21L0147-20	SB16_S1_14-15	12/06/21
21L0147-23	SB16_N1_14-15	12/06/21
BL11480-BLK1	Blank	12/06/21
BL11480-DUP1	Duplicate	12/06/21
BL11480-MS1	Matrix Spike	12/06/21
BL11480-PS1	Post Spike	12/06/21
BL11480-SRM1	Reference	12/06/21

Batch ID: BL11536 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-36	FB02_120221	12/07/21
BL11536-BLK1	Blank	12/07/21
BL11536-BS1	LCS	12/07/21
BL11536-DUP1	Duplicate	12/07/21
BL11536-MS1	Matrix Spike	12/07/21
BL11536-PS1	Post Spike	12/07/21

Batch ID: BL11611 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-13	SODUP03_120221	12/07/21
BL11611-BLK1	Blank	12/07/21
BL11611-DUP1	Duplicate	12/07/21
BL11611-MS1	Matrix Spike	12/07/21
BL11611-PS1	Post Spike	12/07/21
BL11611-SRM1	Reference	12/07/21

Batch ID: BL11613 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-36	FB02_120221	12/08/21
BL11613-BLK1	Blank	12/08/21
BL11613-BLK2	Blank	12/08/21
BL11613-BS1	LCS	12/08/21
BL11613-BS2	LCS	12/08/21
BL11613-BSD1	LCS Dup	12/08/21

Batch ID: BL11708 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-01	SB15_S1_7-8	12/09/21
21L0147-04	SB15_N1_7-8	12/09/21
21L0147-07	SB15_E1_7-8	12/09/21
21L0147-10	SB15_W1_7-8	12/09/21
21L0147-13	SODUP03_120221	12/09/21
21L0147-14	SB16_E1_14-15	12/09/21
21L0147-17	SB16_W1_14-15	12/09/21
21L0147-20	SB16_S1_14-15	12/09/21
21L0147-23	SB16_N1_14-15	12/09/21
21L0147-26	SB101_W1_5-6	12/09/21
21L0147-27	SB101_E1_5-6	12/09/21
21L0147-28	SB101_N1_5-6	12/09/21
21L0147-33	SB101_S1_5-6	12/09/21
BL11708-DUP1	Duplicate	12/09/21

Batch ID: BL12157 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-02	SB15_S2_7-8	12/15/21
21L0147-05	SB15_N2_7-8	12/15/21
21L0147-08	SB15_E2_7-8	12/15/21
21L0147-15	SB16_E2_14-15	12/15/21
21L0147-18	SB16_W2_14-15	12/15/21
21L0147-21	SB16_S2_14-15	12/15/21
21L0147-24	SB16_N2_14-15	12/15/21
BL12157-BLK1	Blank	12/15/21
BL12157-DUP1	Duplicate	12/15/21
BL12157-MS1	Matrix Spike	12/15/21
BL12157-PS1	Post Spike	12/15/21
BL12157-SRM1	Reference	12/15/21

Batch ID: BL12314 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-02	SB15_S2_7-8	12/17/21
21L0147-05	SB15_N2_7-8	12/17/21
21L0147-08	SB15_E2_7-8	12/17/21
21L0147-15	SB16_E2_14-15	12/17/21
21L0147-18	SB16_W2_14-15	12/17/21
21L0147-21	SB16_S2_14-15	12/17/21
21L0147-24	SB16_N2_14-15	12/17/21
BL12314-DUP1	Duplicate	12/17/21

Batch ID: BL12648 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-03	SB15_S3_7-8	12/22/21
21L0147-06	SB15_N3_7-8	12/22/21

21L0147-09	SB15_E3_7-8	12/22/21
21L0147-19	SB16_W3_14-15	12/22/21
21L0147-22	SB16_S3_14-15	12/22/21
21L0147-25	SB16_N3_14-15	12/22/21
BL12648-DUP1	Duplicate	12/22/21

Batch ID: BL12669 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0147-03	SB15_S3_7-8	12/22/21
21L0147-06	SB15_N3_7-8	12/22/21
21L0147-09	SB15_E3_7-8	12/22/21
21L0147-19	SB16_W3_14-15	12/22/21
21L0147-22	SB16_S3_14-15	12/22/21
21L0147-25	SB16_N3_14-15	12/22/21
BL12669-BLK1	Blank	12/22/21
BL12669-DUP1	Duplicate	12/22/21
BL12669-MS1	Matrix Spike	12/22/21
BL12669-PS1	Post Spike	12/22/21
BL12669-SRM1	Reference	12/22/21

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11367 - EPA 3546 SVOA											
Blank (BL11367-BLK1) Blank								Prepared & Analyzed: 12/03/2021			
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.505*		"	*0.831*		*60.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.462*		"	*0.831*		*55.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.492*		"	*0.831*		*59.2*	*24-116*				
LCS (BL11367-BS1) LCS								Prepared & Analyzed: 12/03/2021			
Benzo(a)anthracene	0.507	0.0416	mg/kg wet	0.831		61.0	32-122				
Benzo(a)pyrene	0.522	0.0416	"	0.831		62.9	29-133				
Benzo(b)fluoranthene	0.480	0.0416	"	0.831		57.8	25-133				
Benzo(k)fluoranthene	0.466	0.0416	"	0.831		56.2	25-128				
Chrysene	0.487	0.0416	"	0.831		58.6	32-123				
Dibenzo(a,h)anthracene	0.561	0.0416	"	0.831		67.5	10-136				
Fluoranthene	0.479	0.0416	"	0.831		57.7	33-122				
Indeno(1,2,3-cd)pyrene	0.647	0.0416	"	0.831		77.8	10-135				
Phenanthrene	0.477	0.0416	"	0.831		57.5	33-123				
Pyrene	0.513	0.0416	"	0.831		61.7	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.553*		"	*0.831*		*66.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.517*		"	*0.831*		*62.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.535*		"	*0.831*		*64.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11367 - EPA 3546 SVOA											
Matrix Spike (BL11367-MS1) Matrix Spike	*Source sample: 21K1383-41 (Matrix Spike)							Prepared & Analyzed: 12/03/2021			
Benzo(a)anthracene	1.13	0.0998	mg/kg dry	0.997	0.387	74.2	10-158				
Benzo(a)pyrene	0.460	0.0998	"	0.997	ND	46.2	10-180				
Benzo(b)fluoranthene	1.15	0.0998	"	0.997	0.349	80.4	10-200				
Benzo(k)fluoranthene	1.11	0.0998	"	0.997	0.340	77.4	10-197				
Chrysene	1.09	0.0998	"	0.997	0.397	69.7	10-156				
Dibenzo(a,h)anthracene	0.754	0.0998	"	0.997	0.0771	67.9	10-137				
Fluoranthene	1.50	0.0998	"	0.997	0.645	85.3	10-160				
Indeno(1,2,3-cd)pyrene	1.20	0.0998	"	0.997	0.344	85.4	10-144				
Phenanthrene	0.679	0.0998	"	0.997	0.128	55.3	10-148				
Pyrene	1.39	0.0998	"	0.997	0.592	80.1	10-165				
Surrogate: SURR: Nitrobenzene-d5	*0.612*		*"*	*0.997*		*61.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.549*		*"*	*0.997*		*55.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.531*		*"*	*0.997*		*53.3*	*24-116*				
Matrix Spike Dup (BL11367-M Matrix Spike Dup	*Source sample: 21K1383-41 (Matrix Spike Dup)							Prepared & Analyzed: 12/03/2021			
Benzo(a)anthracene	1.23	0.0998	mg/kg dry	0.997	0.387	84.9	10-158		9.06	30	
Benzo(a)pyrene	0.490	0.0998	"	0.997	ND	49.2	10-180		6.38	30	
Benzo(b)fluoranthene	1.24	0.0998	"	0.997	0.349	89.5	10-200		7.60	30	
Benzo(k)fluoranthene	1.21	0.0998	"	0.997	0.340	87.0	10-197		8.26	30	
Chrysene	1.20	0.0998	"	0.997	0.397	80.7	10-156		9.53	30	
Dibenzo(a,h)anthracene	0.822	0.0998	"	0.997	0.0771	74.7	10-137		8.60	30	
Fluoranthene	1.63	0.0998	"	0.997	0.645	99.1	10-160		8.82	30	
Indeno(1,2,3-cd)pyrene	1.29	0.0998	"	0.997	0.344	95.4	10-144		8.01	30	
Phenanthrene	0.794	0.0998	"	0.997	0.128	66.9	10-148		15.7	30	
Pyrene	1.55	0.0998	"	0.997	0.592	96.5	10-165		11.1	30	
Surrogate: SURR: Nitrobenzene-d5	*0.644*		*"*	*0.997*		*64.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.582*		*"*	*0.997*		*58.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.596*		*"*	*0.997*		*59.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11613 - EPA 3510C											
Blank (BL11613-BLK1) Blank								Prepared & Analyzed: 12/08/2021			
Surrogate: SURR: Nitrobenzene-d5	*17.3*		*ug/L*	*25.0*		*69.3*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.4*		*"*	*25.0*		*81.7*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*30.0*		*"*	*25.0*		*120*	*30.7-106*				
Blank (BL11613-BLK2) Blank								Prepared & Analyzed: 12/08/2021			
Benzo(a)anthracene	ND	0.0500	ug/L								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
LCS (BL11613-BS1) LCS								Prepared & Analyzed: 12/08/2021			
Surrogate: SURR: Nitrobenzene-d5	*17.8*		*ug/L*	*25.0*		*71.3*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*21.6*		*"*	*25.0*		*86.6*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*27.3*		*"*	*25.0*		*109*	*30.7-106*				
LCS (BL11613-BS2) LCS								Prepared & Analyzed: 12/08/2021			
Benzo(a)anthracene	0.810	0.0500	ug/L	1.00		81.0	33-125				
Benzo(a)pyrene	0.700	0.0500	"	1.00		70.0	32-132				
Benzo(b)fluoranthene	0.820	0.0500	"	1.00		82.0	22-137				
Benzo(k)fluoranthene	0.840	0.0500	"	1.00		84.0	20-137				
Chrysene	0.850	0.0500	"	1.00		85.0	32-124				
Dibenzo(a,h)anthracene	0.820	0.0500	"	1.00		82.0	16-133				
Fluoranthene	0.930	0.0500	"	1.00		93.0	32-121				
Indeno(1,2,3-cd)pyrene	0.740	0.0500	"	1.00		74.0	15-135				
Phenanthrene	0.770	0.0500	"	1.00		77.0	24-127				
Pyrene	0.740	0.0500	"	1.00		74.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11613 - EPA 3510C											
LCS Dup (BL11613-BSD1) LCS Dup									Prepared & Analyzed: 12/08/2021		
Surrogate: SURR: Nitrobenzene-d5	*13.7*		*ug/L*	*25.0*		*54.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.0*		*"*	*25.0*		*64.1*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*20.8*		*"*	*25.0*		*83.4*	*30.7-106*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21543 - EPA 3050B											
Blank (BA21543-BLK1) Blank								Prepared: 01/10/2022 Analyzed: 01/11/2022			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BA21543-DUP1) Duplicate	*Source sample: 22A0276-05 (Duplicate)							Prepared: 01/10/2022 Analyzed: 01/12/2022			
Nickel	16.7	1.33	mg/kg dry		ND					35	
Matrix Spike (BA21543-MS1) Matrix Spike	*Source sample: 22A0276-05 (Matrix Spike)							Prepared: 01/10/2022 Analyzed: 01/12/2022			
Nickel	40.4	1.33	mg/kg dry	66.4	ND	60.9	75-125	Low Bias			
Post Spike (BA21543-PS1) Post Spike	*Source sample: 22A0276-05 (Post Spike)							Prepared: 01/10/2022 Analyzed: 01/12/2022			
Nickel	0.766		mg/L	0.500	-0.00949	153	75-125	High Bias			
Reference (BA21543-SRM1) Reference								Prepared: 01/10/2022 Analyzed: 01/11/2022			
Nickel	73.5	1.00	mg/kg wet	53.9		136	69.9-129.9	High Bias			
Batch BA21712 - EPA 3050B											
Blank (BA21712-BLK1) Blank								Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BA21712-DUP1) Duplicate	*Source sample: 22A0467-01 (Duplicate)							Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	13.4	1.11	mg/kg dry		8.36				46.5	35	Non-dir.
Matrix Spike (BA21712-MS1) Matrix Spike	*Source sample: 22A0467-01 (Matrix Spike)							Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	66.7	1.11	mg/kg dry	55.6	8.36	105	75-125				
Post Spike (BA21712-PS1) Post Spike	*Source sample: 22A0467-01 (Post Spike)							Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	0.631		mg/L	0.500	0.0752	111	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21712 - EPA 3050B											
Reference (BA21712-SRM1) Reference								Prepared: 01/12/2022 Analyzed: 01/13/2022			
Nickel	64.6	1.00	mg/kg wet	53.9		120	69.9-129.9				
Batch BL11480 - EPA 3050B											
Blank (BL11480-BLK1) Blank								Prepared: 12/06/2021 Analyzed: 12/07/2021			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL11480-DUP1) Duplicate	*Source sample: 21L0192-05 (Duplicate)							Prepared: 12/06/2021 Analyzed: 12/07/2021			
Nickel	63.2	1.07	mg/kg dry		70.9				11.5	35	
Matrix Spike (BL11480-MS1) Matrix Spike	*Source sample: 21L0192-05 (Matrix Spike)							Prepared: 12/06/2021 Analyzed: 12/07/2021			
Nickel	108	1.07	mg/kg dry	53.5	70.9	69.8	75-125	Low Bias			
Post Spike (BL11480-PS1) Post Spike	*Source sample: 21L0192-05 (Post Spike)							Prepared: 12/06/2021 Analyzed: 12/07/2021			
Nickel	1.19		mg/L	0.500	0.663	105	75-125				
Reference (BL11480-SRM1) Reference								Prepared: 12/06/2021 Analyzed: 12/07/2021			
Nickel	73.3	1.00	mg/kg wet	53.9		136	69.9-129.9	High Bias			
Batch BL11536 - EPA 3015A											
Blank (BL11536-BLK1) Blank								Prepared & Analyzed: 12/07/2021			
Nickel	ND	0.0111	mg/L								
LCS (BL11536-BS1) LCS								Prepared & Analyzed: 12/07/2021			
Nickel	0.505		mg/L	0.500		101	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL11536 - EPA 3015A											
Duplicate (BL11536-DUP1) Duplicate	*Source sample: 21L0305-02 (Duplicate)							Prepared & Analyzed: 12/07/2021			
Nickel	ND	0.0111	mg/L		ND					20	
Matrix Spike (BL11536-MS1) Matrix Spike	*Source sample: 21L0305-02 (Matrix Spike)							Prepared & Analyzed: 12/07/2021			
Nickel	0.570	0.0111	mg/L	0.556	ND	103	75-125				
Post Spike (BL11536-PS1) Post Spike	*Source sample: 21L0305-02 (Post Spike)							Prepared & Analyzed: 12/07/2021			
Nickel	0.525		mg/L	0.500	-0.0104	105	75-125				
Batch BL11611 - EPA 3050B											
Blank (BL11611-BLK1) Blank								Prepared: 12/07/2021 Analyzed: 12/08/2021			
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL11611-DUP1) Duplicate	*Source sample: 21L0370-10 (Duplicate)							Prepared: 12/07/2021 Analyzed: 12/08/2021			
Nickel	13.6	1.12	mg/kg dry		15.6				13.5	35	
Matrix Spike (BL11611-MS1) Matrix Spike	*Source sample: 21L0370-10 (Matrix Spike)							Prepared: 12/07/2021 Analyzed: 12/08/2021			
Nickel	74.8	1.12	mg/kg dry	56.2	15.6	105	75-125				
Post Spike (BL11611-PS1) Post Spike	*Source sample: 21L0370-10 (Post Spike)							Prepared: 12/07/2021 Analyzed: 12/08/2021			
Nickel	0.669		mg/L	0.500	0.139	106	75-125				
Reference (BL11611-SRM1) Reference								Prepared: 12/07/2021 Analyzed: 12/08/2021			
Nickel	69.0	1.00	mg/kg wet	53.9		128	69.9-129.9				
Batch BL12157 - EPA 3050B											
Blank (BL12157-BLK1) Blank								Prepared: 12/15/2021 Analyzed: 12/16/2021			
Nickel	ND	1.00	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BL12157 - EPA 3050B											
Duplicate (BL12157-DUP1) Duplicate	*Source sample: 21L0676-06 (Duplicate)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel	7.74	1.10	mg/kg dry		12.0				42.8	35	Non-dir.
Matrix Spike (BL12157-MS1) Matrix Spike	*Source sample: 21L0676-06 (Matrix Spike)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel	65.4	1.10	mg/kg dry	55.1	12.0	97.0	75-125				
Post Spike (BL12157-PS1) Post Spike	*Source sample: 21L0676-06 (Post Spike)								Prepared: 12/15/2021 Analyzed: 12/17/2021		
Nickel	0.604		mg/L	0.500	0.108	99.2	75-125				
Reference (BL12157-SRM1) Reference									Prepared: 12/15/2021 Analyzed: 12/16/2021		
Nickel	69.1	1.00	mg/kg wet	53.9		128	69.9-129.9				
Batch BL12669 - EPA 3050B											
Blank (BL12669-BLK1) Blank									Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	ND	1.00	mg/kg wet								
Duplicate (BL12669-DUP1) Duplicate	*Source sample: 21L1014-19 (Duplicate)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	6.74	1.29	mg/kg dry		6.75				0.197	35	
Matrix Spike (BL12669-MS1) Matrix Spike	*Source sample: 21L1014-19 (Matrix Spike)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	81.6	1.29	mg/kg dry	64.7	6.75	116	75-125				
Post Spike (BL12669-PS1) Post Spike	*Source sample: 21L1014-19 (Post Spike)								Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	0.654		mg/L	0.500	0.0521	120	75-125				
Reference (BL12669-SRM1) Reference									Prepared: 12/22/2021 Analyzed: 12/27/2021		
Nickel	67.2	1.00	mg/kg wet	53.9		125	69.9-129.9				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21609 - % Solids Prep												
Duplicate (BA21609-DUP1)	Duplicate	*Source sample: 22A0363-03 (Duplicate)								Prepared & Analyzed: 01/11/2022		
% Solids		88.2	0.100	%		90.9				3.02	20	
Batch BA21772 - % Solids Prep												
Duplicate (BA21772-DUP1)	Duplicate	*Source sample: 22A0417-18 (Duplicate)								Prepared & Analyzed: 01/13/2022		
% Solids		89.6	0.100	%		90.0				0.456	20	
Batch BL11708 - % Solids Prep												
Duplicate (BL11708-DUP1)	Duplicate	*Source sample: 21L0147-17 (SB16_W1_14-15)								Prepared & Analyzed: 12/09/2021		
% Solids		83.4	0.100	%		78.7				5.85	20	
Batch BL12314 - % Solids Prep												
Duplicate (BL12314-DUP1)	Duplicate	*Source sample: 21L0468-02 (Duplicate)								Prepared & Analyzed: 12/17/2021		
% Solids		86.6	0.100	%		86.5				0.0823	20	
Batch BL12648 - % Solids Prep												
Duplicate (BL12648-DUP1)	Duplicate	*Source sample: 21L0950-01 (Duplicate)								Prepared & Analyzed: 12/22/2021		
% Solids		81.5	0.100	%		80.0				1.77	20	

120 RESEARCH DRIVE
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132-02 89th AVENUE
RICHMOND HILL, NY 11418
FAX (203) 357-0166
ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report Ni for -12.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
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YORK Project No. 21L0147

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street 8th FL NY, NY	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Simon	Contact:	Contact:		RUSH - Four Day
E-mail: KSimon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

~~TJ~~ TJ Malgiv

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)
Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB15-S1-7-8	S	12/2/21 8:29	Nickel	
SB15-S2-7-8		8:36		HOLD
SB15-S3-7-8		8:54		HOLD
SB15-N1-7-8		8:59		
SB15-N2-7-8		9:08		HOLD
SB15-N3-7-8		9:17		HOLD
SB15-E1-7-8		9:26		
SB15-E2-7-8		9:31		HOLD
SB15-E3-7-8		9:40		HOLD
SB15-W1-7-8		9:46		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time
[signature]	12/2/21 14:55	Tom A / Yorks	12/2/21 1455	Tom A / Yorks	12/2/21 2108 M.R.
2. Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francisco / York	12/2/21 1900	Francisco / York	12/2/21 2108		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlackburn	12/2/21 2108 / 3.2 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21L0147

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170600	RUSH - Next Day
Address: 360 W 31st Street 8th FL NY, NY	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Jensen	Contact:	Contact:		RUSH - Four Day
E-mail: KJensen@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

RJ Malgini

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB15-W2-7-8	S	12/2/21 9:51	Nickel	Hold
SB15-W3-7-8		10:12		Hold
SSDUP03-120221				Hold
SB16-E1-14-15		10:48		
SB16-E2-14-15		10:52		Hold
SB16-E3-14-15		11:00		Hold
SB16-W1-14-15		11:12		* Hold MS/MSD only *
SB16-W2-14-15		11:31		Hold
SB16-W3-14-15		11:42		Hold
SB16-S1-14-15		11:48		

Comments: SB16-W1.14-15 - Run sample but Hold Extra Material for future MS/MSD.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/2/21 14:55	TOMA/York	12/2/21 1455	TOMA/York	12/2/21 1900
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francisco/Akt	12/2/21 1900	Francisco/Akt	12/2/21 2108		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlocher	12/2/21 2108 / 3.2 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 210147

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street 8th Fl NY NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Demon	Contact:	Contact:
E-mail: KDemon@Langan	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay St

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Mulgrew.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB16-S2-14-15	S	12/2/21 12:03	Nickel	HOLD
SB16-S3-14-15		12:53		HOLD
SB16-N1-14-15		12:59		
SB16-N2-14-15		12:57		HOLD
SB16-N3-14-15		13:04		HOLD
SB101-W1-5-6		13:36	PAHs Comp A (SVOC)	
SB101-E1-5-6		13:41		
SB101-E2-5-6		13:45		HOLD
SB101-S3-5-6		13:50		HOLD
SB101-N1-5-6		13:56		

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/2/21 1455	Tom A / York	12/2/21 1455	Tom A / York	12/2/21 1900
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Fronteer / York	12/2/21 1900	Fronteer / York	12/2/21 2108		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlue	12/2/21 2108 / 3.2 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21L0147

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street 8th FLOOR	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: KSeman@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

PJMalgieri

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB101-N2-5-6	S	12/2/21 14:02	PAHs Group A (SVOC)	Hold
SB1N-N3-5-6		14:05		Hold
SB101-E2-5-6		14:08		Hold
SB101-E3-5-6		14:12		Hold
SB101-S1-5-6		14:17		
SB101-S2-5-6		14:23		Hold
SB101-S3-5-6		14:28		Hold
FB02-120221	AQ	14:30	PAHs Group A (SVOC) Nickel	

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/2/21 14:55	Tom A / York	12/2/21 1455	Tom A / York	12/2/21 1900
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Fedex / York	12/2/21 1900	Fedex / York	12/2/21 2108		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBuchan	12/2/21 2108 / 3.2 Degrees C

Technical Report

prepared for:

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

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0491

Revision No. 3.0

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

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

Report Date: 01/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 21L0491

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 08, 2021 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0491-01	SB09_W1_14-15	Soil	12/08/2021	12/08/2021
21L0491-04	SB09_E1_14-15	Soil	12/08/2021	12/08/2021
21L0491-07	SB09_N1_14-15	Soil	12/08/2021	12/08/2021
21L0491-10	SB09_S1_14-15	Soil	12/08/2021	12/08/2021
21L0491-14	SB108_NW2_10-11	Soil	12/08/2021	12/08/2021
21L0491-15	SB108_NW1_10-11	Soil	12/08/2021	12/08/2021
21L0491-16	SB108_S1_10-11	Soil	12/08/2021	12/08/2021
21L0491-19	SB109_W3_10-11	Soil	12/08/2021	12/08/2021
21L0491-20	SODUPO5_120821	Soil	12/08/2021	12/08/2021
21L0491-22	SB109_W1_10-11	Soil	12/08/2021	12/08/2021
21L0491-23	SB109_SE1_10-11	Soil	12/08/2021	12/08/2021
21L0491-26	SB110_SE1_10-11	Soil	12/08/2021	12/08/2021
21L0491-27	SB110_SE2_10-11	Soil	12/08/2021	12/08/2021
21L0491-29	SB110_NE1_10-11	Soil	12/08/2021	12/08/2021
21L0491-32	SB111_S1_8-9	Soil	12/08/2021	12/08/2021
21L0491-35	SB05_E1_6-8	Soil	12/08/2021	12/08/2021

General Notes for York Project (SDG) No.: 21L0491

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

Approved By **Date:** 01/13/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB09_W1_14-15 **York Sample ID:** 21L0491-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 8:00 am	12/08/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**81.1**		mg/kg dry	1.16	1	EPA 6010D	12/10/2021 11:10	12/14/2021 12:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB09_E1_14-15 **York Sample ID:** 21L0491-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 8:47 am	12/08/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**218**		mg/kg dry	1.14	1	EPA 6010D	12/10/2021 11:10	12/14/2021 12:53	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB09_N1_14-15 **York Sample ID:** 21L0491-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 9:17 am	12/08/2021

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**308**		mg/kg dry	1.22	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:00	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.8**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB09_S1_14-15 **York Sample ID:** 21L0491-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 9:43 am	12/08/2021

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**185**		mg/kg dry	1.19	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:06	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.1**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB108_NW2_10-11 **York Sample ID:** 21L0491-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 10:44 am	12/08/2021

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**8.63**	B	mg/kg dry	0.569	1	EPA 6010D	01/11/2022 20:11	01/12/2022 15:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	1	SM 2540G	01/12/2022 14:27	01/12/2022 16:59	TJA
							Certifications:	CTDOH		

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	01/11/2022 18:20	01/12/2022 11:41	MEW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: SB108_NW1_10-11 **York Sample ID:** 21L0491-15

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 10:50 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**86.7**		mg/kg dry	0.559	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:13	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.421**	B	mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:14	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0988**		mg/kg dry	0.0335	1	EPA 7473	12/14/2021 18:31	12/14/2021 20:10	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB108_S1_10-11 **York Sample ID:** 21L0491-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 10:57 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**9.38**		mg/kg dry	0.551	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:20	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0331	1	EPA 7473	12/14/2021 18:31	12/14/2021 20:35	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.7**		%	0.100	1	SM 2540G	12/14/2021 14:02	12/15/2021 11:03	JAMT
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB109_W3_10-11 **York Sample ID:** 21L0491-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:10 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**10.2**		mg/kg dry	0.549	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:26	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.117**		mg/kg dry	0.0330	1	EPA 7473	12/14/2021 18:31	12/14/2021 20:43	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.0**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SODUPO5_120821 **York Sample ID:** 21L0491-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:10 am	12/08/2021

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**737**		mg/kg dry	0.648	1	EPA 6010D	12/28/2021 15:14	12/29/2021 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.647**		mg/kg dry	0.0389	1	EPA 7473	12/28/2021 15:36	12/28/2021 19:20	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.2**		%	0.100	1	SM 2540G	12/28/2021 13:46	12/29/2021 09:14	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB109_W1_10-11** **York Sample ID:** **21L0491-22**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:22 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**875**		mg/kg dry	0.581	1	EPA 6010D	12/17/2021 14:43	12/20/2021 18:01	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0349	1	EPA 7473	12/17/2021 11:03	12/17/2021 11:58	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	12/19/2021 16:40	12/20/2021 11:14	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB109_SE1_10-11 **York Sample ID:** 21L0491-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:30 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**8.87**		mg/kg dry	0.537	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:33	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473	12/14/2021 18:31	12/14/2021 20:51	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.2**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB110_SE1_10-11 **York Sample ID:** 21L0491-26

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:47 am	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**376**		mg/kg dry	0.844	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:50	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.33**	B	mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**2.44**		mg/kg dry	0.0507	1	EPA 7473	12/14/2021 18:31	12/14/2021 21:00	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**59.2**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications:	CTDOH		

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: SB110_SE2_10-11 **York Sample ID:** 21L0491-27

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 11:51 am	12/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0364**		mg/kg dry	0.0344	1	EPA 7473	12/17/2021 15:59	12/17/2021 17:11	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.3**		%	0.100	1	SM 2540G	12/19/2021 16:40	12/20/2021 11:14	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB110_NE1_10-11 **York Sample ID:** 21L0491-29

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 12:00 pm	12/08/2021

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**8.68**		mg/kg dry	0.540	1	EPA 6010D	12/10/2021 11:10	12/14/2021 13:58	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.235**	B	mg/L	0.125	1	EPA 6010D/1311	12/28/2021 12:55	12/29/2021 12:28	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.544**		mg/kg dry	0.0324	1	EPA 7473	12/14/2021 18:31	12/14/2021 21:11	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.6**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	12/27/2021 18:20	12/28/2021 11:42	MEW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB111_S1_8-9 **York Sample ID:** 21L0491-32

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 12:57 pm	12/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.168**		mg/kg dry	0.0334	1	EPA 7473	12/14/2021 18:31	12/14/2021 21:20	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB05_E1_6-8 **York Sample ID:** 21L0491-35

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0491	170610601	Soil	December 8, 2021 1:18 pm	12/08/2021

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0336	1	EPA 7473	12/14/2021 18:31	12/14/2021 21:29	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.4**		%	0.100	1	SM 2540G	12/14/2021 14:04	12/15/2021 11:14	JAMT
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BA21651 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-14	SB108_NW2_10-11	01/11/22
BA21651-BLK1	Blank	01/11/22

Batch ID: BA21654 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-14	SB108_NW2_10-11	01/11/22
BA21654-BLK1	Blank	01/11/22
BA21654-DUP1	Duplicate	01/11/22
BA21654-MS1	Matrix Spike	01/11/22
BA21654-PS1	Post Spike	01/11/22
BA21654-SRM1	Reference	01/11/22

Batch ID: BA21708 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-14	SB108_NW2_10-11	01/12/22
BA21708-DUP1	Duplicate	01/12/22

Batch ID: BL11810 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-01	SB09_W1_14-15	12/10/21
21L0491-04	SB09_E1_14-15	12/10/21
21L0491-07	SB09_N1_14-15	12/10/21
21L0491-10	SB09_S1_14-15	12/10/21
21L0491-15	SB108_NW1_10-11	12/10/21
21L0491-16	SB108_S1_10-11	12/10/21
21L0491-19	SB109_W3_10-11	12/10/21
21L0491-23	SB109_SE1_10-11	12/10/21
21L0491-26	SB110_SE1_10-11	12/10/21
21L0491-29	SB110_NE1_10-11	12/10/21
BL11810-BLK1	Blank	12/10/21
BL11810-SRM1	Reference	12/10/21

Batch ID: BL12049 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-01	SB09_W1_14-15	12/14/21
21L0491-04	SB09_E1_14-15	12/14/21
21L0491-07	SB09_N1_14-15	12/14/21
21L0491-10	SB09_S1_14-15	12/14/21
21L0491-15	SB108_NW1_10-11	12/14/21

21L0491-16	SB108_S1_10-11	12/14/21
BL12049-DUP1	Duplicate	12/14/21

Batch ID: BL12050 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-19	SB109_W3_10-11	12/14/21
21L0491-23	SB109_SE1_10-11	12/14/21
21L0491-26	SB110_SE1_10-11	12/14/21
21L0491-29	SB110_NE1_10-11	12/14/21
21L0491-32	SB111_S1_8-9	12/14/21
21L0491-35	SB05_E1_6-8	12/14/21

Batch ID: BL12086 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-15	SB108_NW1_10-11	12/14/21
21L0491-16	SB108_S1_10-11	12/14/21
21L0491-19	SB109_W3_10-11	12/14/21
21L0491-23	SB109_SE1_10-11	12/14/21
21L0491-26	SB110_SE1_10-11	12/14/21
21L0491-29	SB110_NE1_10-11	12/14/21
21L0491-32	SB111_S1_8-9	12/14/21
21L0491-35	SB05_E1_6-8	12/14/21
BL12086-BLK1	Blank	12/14/21
BL12086-DUP1	Duplicate	12/14/21
BL12086-MS1	Matrix Spike	12/14/21
BL12086-SRM1	Reference	12/14/21

Batch ID: BL12331 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-22	SB109_W1_10-11	12/17/21
BL12331-BLK1	Blank	12/17/21
BL12331-DUP1	Duplicate	12/17/21
BL12331-MS1	Matrix Spike	12/17/21
BL12331-SRM1	Reference	12/17/21

Batch ID: BL12362 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-22	SB109_W1_10-11	12/17/21
BL12362-BLK1	Blank	12/17/21
BL12362-DUP1	Duplicate	12/17/21
BL12362-MS1	Matrix Spike	12/17/21
BL12362-PS1	Post Spike	12/17/21
BL12362-SRM1	Reference	12/17/21

Batch ID: BL12379 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-27	SB110_SE2_10-11	12/17/21
BL12379-BLK1	Blank	12/17/21
BL12379-DUP1	Duplicate	12/17/21
BL12379-MS1	Matrix Spike	12/17/21
BL12379-SRM1	Reference	12/17/21

Batch ID: BL12422 **Preparation Method:** % Solids Prep **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-22	SB109_W1_10-11	12/19/21
21L0491-27	SB110_SE2_10-11	12/19/21
BL12422-DUP1	Duplicate	12/19/21

Batch ID: BL12848 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-15	SB108_NW1_10-11	12/27/21
21L0491-16	SB108_S1_10-11	12/27/21
21L0491-19	SB109_W3_10-11	12/27/21
21L0491-23	SB109_SE1_10-11	12/27/21
21L0491-26	SB110_SE1_10-11	12/27/21
21L0491-29	SB110_NE1_10-11	12/27/21
BL12848-BLK1	Blank	12/27/21

Batch ID: BL12903 **Preparation Method:** EPA 3015A/1311 **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-15	SB108_NW1_10-11	12/28/21
21L0491-16	SB108_S1_10-11	12/28/21
21L0491-19	SB109_W3_10-11	12/28/21
21L0491-23	SB109_SE1_10-11	12/28/21
21L0491-26	SB110_SE1_10-11	12/28/21
21L0491-29	SB110_NE1_10-11	12/28/21
BL12903-BLK1	Blank	12/28/21
BL12903-BS1	LCS	12/28/21
BL12903-LBK1	Leach Fluid Blank	12/28/21

Batch ID: BL12913 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-20	SODUPO5_120821	12/28/21

Batch ID: BL12924 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date

21L0491-20	SODUPO5_120821	12/28/21
BL12924-BLK1	Blank	12/28/21
BL12924-SRM1	Reference	12/28/21

Batch ID: BL12935 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0491-20	SODUPO5_120821	12/28/21
BL12935-BLK1	Blank	12/28/21
BL12935-SRM1	Reference	12/28/21

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21654 - EPA 3050B											
Blank (BA21654-BLK1) Blank								Prepared: 01/11/2022 Analyzed: 01/12/2022			
Lead	0.641	0.500	mg/kg wet								
Duplicate (BA21654-DUP1) Duplicate	*Source sample: 21L0491-14 (SB108_NW2_10-11)							Prepared: 01/11/2022 Analyzed: 01/12/2022			
Lead	7.98	0.569	mg/kg dry		8.63				7.84	35	
Matrix Spike (BA21654-MS1) Matrix Spike	*Source sample: 21L0491-14 (SB108_NW2_10-11)							Prepared: 01/11/2022 Analyzed: 01/12/2022			
Lead	68.9	0.569	mg/kg dry	56.9	8.63	106	75-125				
Post Spike (BA21654-PS1) Post Spike	*Source sample: 21L0491-14 (SB108_NW2_10-11)							Prepared: 01/11/2022 Analyzed: 01/12/2022			
Lead	0.603		ug/mL	0.500	0.0758	105	75-125				
Reference (BA21654-SRM1) Reference								Prepared: 01/11/2022 Analyzed: 01/12/2022			
Lead	122	0.500	mg/kg wet	130		93.8	71.8-128.5				
Batch BL11810 - EPA 3050B											
Blank (BL11810-BLK1) Blank								Prepared: 12/10/2021 Analyzed: 12/14/2021			
Lead	ND	0.500	mg/kg wet								
Nickel	ND	1.00	"								
Reference (BL11810-SRM1) Reference								Prepared: 12/10/2021 Analyzed: 12/14/2021			
Lead	119	0.500	mg/kg wet	130		91.5	71.8-128.5				
Nickel	48.2	1.00	"	53.9		89.3	69.9-129.9				
Batch BL12362 - EPA 3050B											
Blank (BL12362-BLK1) Blank								Prepared: 12/17/2021 Analyzed: 12/20/2021			
Lead	ND	0.500	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12362 - EPA 3050B											
Duplicate (BL12362-DUP1) Duplicate	*Source sample: 21L0491-22 (SB109_W1_10-11)							Prepared: 12/17/2021 Analyzed: 12/20/2021			
Lead	888	0.581	mg/kg dry		875				1.40	35	
Matrix Spike (BL12362-MS1) Matrix Spike	*Source sample: 21L0491-22 (SB109_W1_10-11)							Prepared: 12/17/2021 Analyzed: 12/20/2021			
Lead	719	0.581	mg/kg dry	58.1	875	NR	75-125	Low Bias			
Post Spike (BL12362-PS1) Post Spike	*Source sample: 21L0491-22 (SB109_W1_10-11)							Prepared: 12/17/2021 Analyzed: 12/20/2021			
Lead	7.90		ug/mL	0.500	7.54	73.7	75-125	Low Bias			
Reference (BL12362-SRM1) Reference								Prepared: 12/17/2021 Analyzed: 12/20/2021			
Lead	137	0.500	mg/kg wet	130		105	71.8-128.5				
Batch BL12903 - EPA 3015A/1311											
Blank (BL12903-BLK1) Blank								Prepared: 12/28/2021 Analyzed: 12/29/2021			
Lead	0.00640	0.00556	mg/L								
LCS (BL12903-BS1) LCS								Prepared: 12/28/2021 Analyzed: 12/29/2021			
Lead	0.543		ug/mL	0.500		109	80-120				
Leach Fluid Blank (BL12903- Leach Fluid Blank								Prepared: 12/28/2021 Analyzed: 12/29/2021			
Lead	ND	0.125	mg/L								
Batch BL12924 - EPA 3050B											
Blank (BL12924-BLK1) Blank								Prepared: 12/28/2021 Analyzed: 12/29/2021			
Lead	ND	0.500	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12924 - EPA 3050B											
Reference (BL12924-SRM1) Reference									Prepared: 12/28/2021 Analyzed: 12/29/2021		
Lead	151	0.500	mg/kg wet	130		116	71.8-128.5				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12086 - EPA 7473 soil											
Blank (BL12086-BLK1) Blank								Prepared & Analyzed: 12/14/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12086-DUP1) Duplicate	*Source sample: 21L0491-15 (SB108_NW1_10-11)							Prepared & Analyzed: 12/14/2021			
Mercury	0.0602	0.0335	mg/kg dry		0.0988				48.5	35	Non-dir.
Matrix Spike (BL12086-MS1) Matrix Spike	*Source sample: 21L0491-15 (SB108_NW1_10-11)							Prepared & Analyzed: 12/14/2021			
Mercury	0.506		mg/kg	0.500	0.0884	83.5	75-125				
Reference (BL12086-SRM1) Reference								Prepared & Analyzed: 12/14/2021			
Mercury	29.218		mg/kg	27.2		107	59.9-140.1				
Batch BL12331 - EPA 7473 soil											
Blank (BL12331-BLK1) Blank								Prepared & Analyzed: 12/17/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12331-DUP1) Duplicate	*Source sample: 21L0491-22 (SB109_W1_10-11)							Prepared & Analyzed: 12/17/2021			
Mercury	ND	0.0349	mg/kg dry		ND					35	
Matrix Spike (BL12331-MS1) Matrix Spike	*Source sample: 21L0491-22 (SB109_W1_10-11)							Prepared & Analyzed: 12/17/2021			
Mercury	0.574		mg/kg	0.500	0.0170	112	75-125				
Reference (BL12331-SRM1) Reference								Prepared & Analyzed: 12/17/2021			
Mercury	26.388		mg/kg	27.2		97.0	59.9-140.1				
Batch BL12379 - EPA 7473 soil											
Blank (BL12379-BLK1) Blank								Prepared & Analyzed: 12/17/2021			
Mercury	ND	0.0300	mg/kg wet								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12379 - EPA 7473 soil											
Duplicate (BL12379-DUP1) Duplicate	*Source sample: 21L0491-27 (SB110_SE2_10-11)							Prepared & Analyzed: 12/17/2021			
Mercury	ND	0.0344	mg/kg dry		0.0364					35	
Matrix Spike (BL12379-MS1) Matrix Spike	*Source sample: 21L0491-27 (SB110_SE2_10-11)							Prepared & Analyzed: 12/17/2021			
Mercury	0.525		mg/kg	0.500	0.0318	98.7	75-125				
Reference (BL12379-SRM1) Reference								Prepared & Analyzed: 12/17/2021			
Mercury	23.955		mg/kg	27.2		88.1	59.9-140.1				
Batch BL12935 - EPA 7473 soil											
Blank (BL12935-BLK1) Blank								Prepared & Analyzed: 12/28/2021			
Mercury	ND	0.0300	mg/kg wet								
Reference (BL12935-SRM1) Reference								Prepared & Analyzed: 12/28/2021			
Mercury	19.075		mg/kg	27.2		70.1	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21708 - % Solids Prep												
Duplicate (BA21708-DUP1)	Duplicate	*Source sample: 21L0491-14 (SB108_NW2_10-11)								Prepared & Analyzed: 01/12/2022		
% Solids		87.4	0.100	%		87.8				0.527	20	
Batch BL12049 - % Solids Prep												
Duplicate (BL12049-DUP1)	Duplicate	*Source sample: 21L0491-16 (SB108_S1_10-11)								Prepared: 12/14/2021 Analyzed: 12/15/2021		
% Solids		91.7	0.100	%		90.7				1.12	20	
Batch BL12422 - % Solids Prep												
Duplicate (BL12422-DUP1)	Duplicate	*Source sample: 21L0491-22 (SB109_W1_10-11)								Prepared: 12/19/2021 Analyzed: 12/20/2021		
% Solids		86.7	0.100	%		86.1				0.691	20	

Leachate Preparations - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA21651 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BA21651-BLK1) TCLP LEACH BLANK											Prepared: 01/11/2022 Analyzed: 01/12/2022
TCLP Extraction	Completed	1.00	N/A								
Batch BL12848 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BL12848-BLK1) TCLP LEACH BLANK											Prepared: 12/27/2021 Analyzed: 12/28/2021
TCLP Extraction	Completed	1.00	N/A								

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Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
EXT-COMP	Completed
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report samples for total lead.

Field Chain-of-Custody Record

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YORK Project No. 21L0491

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Page 1 of 4

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day:
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day:
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day:
Contact: Kim Scanlon	Contact:	Contact:		RUSH - Four Day:
E-mail: KScanlon@Langan.	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Malgieri

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York: X
New Jersey:
Connecticut:
Pennsylvania:
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB09-W1-14-15	S	12/8/21 8:00	Nickel	
SB09-W2-14-15		8:20		Hold
SB09-W3-14-15		8:33		Hold
SB09-E1-14-15		8:41		
SB09-E2-14-15		8:56		Hold
SB09-E3-14-15		9:05		Hold
SB09-N1-14-15		9:17		
SB09-N2-14-15		9:33		Hold
SB09-N3-14-15		9:41		Hold
SB09-S1-14-15		9:43		

Comments:

Preservation: (check all that apply)
HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other: ____

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
	12/8/21 14:00	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2000
2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
Fedex/York	12/9/21 2000	Fedex/York	12/9/21 2250		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blochin	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170601	RUSH - Next Day:
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day:
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day:
Contact: Kim Scmon	Contact:	Contact:		RUSH - Four Day:
E-mail: KScmon@langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Holgrich

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York: X
New Jersey:
Connecticut:
Pennsylvania:
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other: | | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB09-S2-14-15	S	12/8/21 10:10	Nickel	Hold
SB09-S3-14-15		10:12	↓	Hold
SB108-NW3-10-11		10:25	Lead & Mercury	Hold
SB108-NW2-10-11		10:44		Hold
SB108-NW1-10-11		10:50		
SB108-S1-10-11		10:57		
SB108-S2-10-11		10:59		Hold
SB108-S3-10-11		11:05		Hold
SB109-W3-10-11		11:10		
SSDUP05-120821	S	12/8/21	↓	Hold

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered
Lab to Filter

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
	12/8/21	Andrew S. York	12/8/21 1450	Andrew S. York	12/8/21 2000
2 Samples Relinquished by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
Fronsco/York	12/9/21 2000	Fronsco/York	12/9/21 2250		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blodgett	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21204191

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170100501	RUSH - Next Day:
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day:
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day:
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day:
E-mail: KSemon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Molgrew

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York: X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey:	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut:	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania:	NY ASP B Package		NJDEP SRP HazSite	
O - Oil | Other	Other:		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB109-W2-10-11	S	12/8/21 11:20	Lead + Mercury	HOLD
SB109-W1-10-11		11:22		(445)MSD HOLD
SB109-SE1-10-11		11:30		
SB109-SE2-10-11		11:35		HOLD
SB109-SE3-10-11		11:46		HOLD
SB110-SE1-10-11		11:47		
SB110-SE2-10-11		11:51		HOLD
SB110-SE3-10-11		11:55		HOLD
SB110-NE1-10-11		12:00		
SB110-NE2-10-11		12:05		HOLD

Comments:

Preservation: (check all that apply)

HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____

ZnAc ____ Ascorbic Acid ____ Other: ____

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered:

Lab to Filter:

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
	12/8/21 14:00	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2000
2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
Fran Cisco/Yoff	12/8/21 2000	Fran Cisco/Yoff	2250		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Bloom	12/8/21 2250 / 7.0 Degrees C

Field Chain-of-Custody Record

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170101601	RUSH - Next Day
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: KSeman@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) TJ Maffei

Matrix Codes

S - soil / solid	
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil	Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB10_NE3_10-11	S	12/8/21 12:10	Lead + Mercury	HOLD
SB111-S1-8-9		12:57	Mercury	
SB111-S2-8-9		13:00	↓	HOLD
SB111-S3-8-9		13:05	↓	HOLD
SB05-E1-6-8		13:18	Mercury	
SB05-E2-6-8		13:12	↓	HOLD
SB05-E3-6-8		13:20	↓	HOLD
FB04-120821	AQ	12/8/21 13:30	Lead, Mercury, Nickel	HOLD

Comments:

Preservation: (check all that apply)

HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____

ZnAc ____ Ascorbic Acid ____ Other: ____

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered

Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/8/21 14:00	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2000
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francis/York	12/8/21 2000	Francis/York	2250		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlackman	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Scanlon	Contact:	Contact:		RUSH - Four Day
E-mail: KScanlon@Langan.	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Malyszki

Samples Collected by: (print AND sign your name)

Matrix Codes		Samples From		Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid		New York	X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater		New Jersey		QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water		Connecticut		NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS	
WW - wastewater		Pennsylvania		NY ASP B Package	Deliverables	NJDEP SRP HazSite	
O - Oil	Other	Other:			NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB09-W1-14-15	S	12/8/21 8:00	Nickel	
SB09-W2-14-15		9:20		Hold
SB09-W3-14-15		8:33		Hold
SB09-E1-14-15		8:47		
SB09-E2-14-15		8:56		Hold
SB09-E3-14-15		9:05		Hold
SB09-N1-14-15		9:17		
SB09-N2-14-15		9:35		Hold
SB09-N3-14-15		9:41		Hold
SB09-S1-14-15		9:43		

Comments:

Preservation: (check all that apply)
HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other: ____

Samples Iced/chilled at time of lab pickup? circle: Yes or No

Special Instruction
Field Filtered
Lab to Filter

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
	12/8/21 14:00	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2000
2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
Fedex	12/9/21 2000	Fedex	12/9/21 2250		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blackman	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: KSemon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Holgren

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB09-S2-14-15	S	12/8/21 10:10	Nickel	Hold
SB09-S3-14-15		10:12	↓	Hold
SB108-NW3-10-11		10:25	Lead & Mercury + TCLP Lead	Hold
SB108-NW2-10-11		10:44		Hold
SB108-NW1-10-11		10:50		
SB108-S1-10-11		10:57		
SB108-S2-10-11		10:59		Hold
SB108-S3-10-11		11:05		Hold
SB109-W3-10-11		11:10		
SSDUP05-120821	S	12/8/21	↓	Hold

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	12/8/21	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2022
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
FedEx/York	12/9/21 2000	FedEx/York	12/9/21 2257		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Bloor	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 21L04191

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170104001	RUSH - Next Day:
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day:
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day:
Contact: KimSemon	Contact:	Contact:		RUSH - Four Day:
E-mail: KSemon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

TJ Molgrew

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB109-W2-10-11	S	12/8/21 11:20	Lead + Mercury + TCLP Lead	HOLD
SB109-W1-10-11		11:22		MS/MSD HOLD
SB109-SE1-10-11		11:30		
SB109-SE2-10-11		11:35		HOLD
SB109-SE3-10-11		11:46		HOLD
SB110-SE1-10-11		11:47		
SB110-SE2-10-11		11:51		HOLD
SB110-SE3-10-11		11:55		HOLD
SB110-NE1-10-11		12:00		
SB110-NE2-10-11		12:05		HOLD

Comments:

Preservation: (check all that apply) HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other: ____

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction: Field Filtered; Lab to Filter

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
	12/8/21 14:00	Andrew S. York	12/8/21 14:00	Andrew S. York	12/8/21 2000
2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
From CISCO/Yark	12/8/21 2000	From CISCO/YORK	2250		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	12/8/21 2250 / 4.0 Degrees C

Field Chain-of-Custody Record

YORK Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21L0491

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day:
Address: NYC	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day:
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day:
Contact: Attn Kim Semon	Contact:	Contact:		RUSH - Four Day:
E-mail: KSemon@Langan	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day): X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) TJ Maguire

Matrix Codes

S - soil / solid	
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil	Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package		NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB111-S1-8-9	S	12/8/21 12:10	Lead + Mercury + TCLP Lead	HOLD
SB111-S1-8-9		12:57	Mercury	
SB111-S2-8-9		13:05	↓	HOLD
SB111-S3-8-9		13:05	↓	HOLD
SB05-E1-6-8		13:18	Mercury	
SB05-E2-6-8		13:12	↓	HOLD
SB05-E3-6-8		13:20	↓	HOLD
FB04-120821	AQ	12/8/21 13:30	Lead, Mercury, Nickel	HOLD

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time: 12/8/21 14:00	1. Samples Received by / Company: Andrew S. York	Date/Time: 12/8/21 14:00	2. Samples Relinquished by / Company: Andrew S. York	Date/Time: 12/8/21 2000
2. Samples Relinquished by / Company: Francis/York	Date/Time: 12/8/21 2000	3. Samples Relinquished by / Company: Francis/York	Date/Time: 2250	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by: KBlocker	Date/Time: 12/8/21 2250 — Temperature: 4.0 Degrees C

Technical Report

prepared for:

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

Report Date: 01/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A0823

Revision No. 2.0

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

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

Report Date: 01/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A0823

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 20, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22A0823-01	SB01_N4_7-8	Soil	01/20/2022	01/20/2022
22A0823-02	SB01_N5_7-8	Soil	01/20/2022	01/20/2022
22A0823-03	SB01_N6_7-8	Soil	01/20/2022	01/20/2022
22A0823-04	SB01_E4_7-8	Soil	01/20/2022	01/20/2022
22A0823-05	SB01_E5_7-8	Soil	01/20/2022	01/20/2022
22A0823-06	SB01_E6_7-8	Soil	01/20/2022	01/20/2022
22A0823-07	SB01_S4_7-8	Soil	01/20/2022	01/20/2022
22A0823-10	SB15_N4_7-8	Soil	01/20/2022	01/20/2022
22A0823-11	SB15_N5_7-8	Soil	01/20/2022	01/20/2022
22A0823-12	SB15_N6_7-8	Soil	01/20/2022	01/20/2022
22A0823-13	SB15_E4_7-8	Soil	01/20/2022	01/20/2022
22A0823-16	SB15_S4_7-8	Soil	01/20/2022	01/20/2022
22A0823-17	SB15_S5_7-8	Soil	01/20/2022	01/20/2022
22A0823-19	SB15_W4_7-8	Soil	01/20/2022	01/20/2022
22A0823-22	SODUP01_012022	Soil	01/20/2022	01/20/2022
22A0823-23	SODUP02_012022	Soil	01/20/2022	01/20/2022
22A0823-24	SOFB01_012022	Water	01/20/2022	01/20/2022

General Notes for York Project (SDG) No.: 22A0823

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

Approved By **Date:** 01/25/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB01_N4_7-8 **York Sample ID:** 22A0823-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 12:45 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**470**	B	mg/kg dry	1.24	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:13	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.9**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_N5_7-8 **York Sample ID:** 22A0823-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 12:50 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**492**	B	mg/kg dry	1.29	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.4**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_N6_7-8 **York Sample ID:** 22A0823-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 12:55 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**331**	B	mg/kg dry	1.30	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:24	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.2**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB01_E4_7-8 **York Sample ID:** 22A0823-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 1:00 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**391**	B	mg/kg dry	1.30	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:27	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.1**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_E5_7-8 **York Sample ID:** 22A0823-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 1:10 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**366**	B	mg/kg dry	1.35	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:30	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**73.9**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_E6_7-8 **York Sample ID:** 22A0823-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 1:15 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**402**	B	mg/kg dry	1.31	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.2**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB01_S4_7-8 **York Sample ID:** 22A0823-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 1:20 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**164**	B	mg/kg dry	1.15	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.0**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_N4_7-8 **York Sample ID:** 22A0823-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 11:15 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**1230**	B	mg/kg dry	1.18	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.6**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_N5_7-8 **York Sample ID:** 22A0823-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 11:20 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**325**	B	mg/kg dry	1.31	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.2**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_N6_7-8 **York Sample ID:** 22A0823-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 11:25 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**145**	B	mg/kg dry	1.13	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.6**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_E4_7-8 **York Sample ID:** 22A0823-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 11:35 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**185**	B	mg/kg dry	1.27	1	EPA 6010D	01/21/2022 05:27	01/21/2022 16:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.0**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_S4_7-8 **York Sample ID:** 22A0823-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 10:55 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**324**	B	mg/kg dry	1.25	1	EPA 6010D	01/21/2022 05:27	01/21/2022 17:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_S5_7-8 **York Sample ID:** 22A0823-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 11:05 am	01/20/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**211**	B	mg/kg dry	1.30	1	EPA 6010D	01/21/2022 05:27	01/21/2022 17:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.1**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB15_W4_7-8 **York Sample ID:** 22A0823-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 10:20 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**252**	B	mg/kg dry	1.19	1	EPA 6010D	01/21/2022 05:27	01/21/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.7**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SODUP01_012022 **York Sample ID:** 22A0823-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 10:30 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**363**		mg/kg dry	1.20	1	EPA 6010D	01/21/2022 05:29	01/21/2022 18:40	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.2**		%	0.100	1	SM 2540G	01/21/2022 13:28	01/24/2022 10:50	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: SODUP02_012022 **York Sample ID:** 22A0823-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Soil	January 20, 2022 10:30 am	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**521**		mg/kg dry	1.33	1	EPA 6010D	01/21/2022 05:29	01/21/2022 18:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.1**		%	0.100	1	SM 2540G	01/21/2022 13:30	01/24/2022 11:17	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SOFB01_012022 **York Sample ID:** 22A0823-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0823	170610601	Water	January 20, 2022 2:50 pm	01/20/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	01/24/2022 11:24	01/24/2022 15:10	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA22197 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A0823-01	SB01_N4_7-8	01/21/22
22A0823-02	SB01_N5_7-8	01/21/22
22A0823-03	SB01_N6_7-8	01/21/22
22A0823-04	SB01_E4_7-8	01/21/22
22A0823-05	SB01_E5_7-8	01/21/22
22A0823-06	SB01_E6_7-8	01/21/22
22A0823-07	SB01_S4_7-8	01/21/22
22A0823-10	SB15_N4_7-8	01/21/22
22A0823-11	SB15_N5_7-8	01/21/22
22A0823-12	SB15_N6_7-8	01/21/22
22A0823-13	SB15_E4_7-8	01/21/22
22A0823-16	SB15_S4_7-8	01/21/22
22A0823-17	SB15_S5_7-8	01/21/22
22A0823-19	SB15_W4_7-8	01/21/22
BA22197-BLK1	Blank	01/21/22
BA22197-DUP1	Duplicate	01/21/22
BA22197-MS1	Matrix Spike	01/21/22
BA22197-PS1	Post Spike	01/21/22
BA22197-SRM1	Reference	01/21/22

Batch ID: BA22198 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A0823-22	SODUP01_012022	01/21/22
22A0823-23	SODUP02_012022	01/21/22
BA22198-BLK1	Blank	01/21/22
BA22198-DUP1	Duplicate	01/21/22
BA22198-MS1	Matrix Spike	01/21/22
BA22198-PS1	Post Spike	01/21/22
BA22198-SRM1	Reference	01/21/22

Batch ID: BA22237 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22A0823-01	SB01_N4_7-8	01/21/22
22A0823-02	SB01_N5_7-8	01/21/22
22A0823-03	SB01_N6_7-8	01/21/22
22A0823-04	SB01_E4_7-8	01/21/22
22A0823-05	SB01_E5_7-8	01/21/22
22A0823-06	SB01_E6_7-8	01/21/22
22A0823-07	SB01_S4_7-8	01/21/22
22A0823-10	SB15_N4_7-8	01/21/22
22A0823-11	SB15_N5_7-8	01/21/22
22A0823-12	SB15_N6_7-8	01/21/22
22A0823-13	SB15_E4_7-8	01/21/22

22A0823-16	SB15_S4_7-8	01/21/22
22A0823-17	SB15_S5_7-8	01/21/22
22A0823-19	SB15_W4_7-8	01/21/22
22A0823-22	SODUP01_012022	01/21/22
BA22237-DUP1	Duplicate	01/21/22

Batch ID: BA22246 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22A0823-23	SODUP02_012022	01/21/22
BA22246-DUP1	Duplicate	01/24/22

Batch ID: BA22302 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0823-24	SOFB01_012022	01/24/22
BA22302-BLK1	Blank	01/24/22
BA22302-BS1	LCS	01/24/22
BA22302-DUP1	Duplicate	01/24/22
BA22302-MS1	Matrix Spike	01/24/22
BA22302-PS1	Post Spike	01/24/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22197 - EPA 3050B												
Blank (BA22197-BLK1)	Blank								Prepared & Analyzed: 01/21/2022			
Nickel		1.59	1.00	mg/kg wet								
Duplicate (BA22197-DUP1)	Duplicate	*Source sample: 22A0823-13 (SB15_E4_7-8)							Prepared & Analyzed: 01/21/2022			
Nickel		252	1.27	mg/kg dry		185				30.9	35	
Matrix Spike (BA22197-MS1)	Matrix Spike	*Source sample: 22A0823-13 (SB15_E4_7-8)							Prepared & Analyzed: 01/21/2022			
Nickel		312	1.27	mg/kg dry	63.3	185	201	75-125	High Bias			
Post Spike (BA22197-PS1)	Post Spike	*Source sample: 22A0823-13 (SB15_E4_7-8)							Prepared & Analyzed: 01/21/2022			
Nickel		2.05		mg/L	0.500	1.46	118	75-125				
Reference (BA22197-SRM1)	Reference								Prepared & Analyzed: 01/21/2022			
Nickel		57.7	1.00	mg/kg wet	53.9		107	69.9-129.9				
Batch BA22198 - EPA 3050B												
Blank (BA22198-BLK1)	Blank								Prepared & Analyzed: 01/21/2022			
Nickel		ND	1.00	mg/kg wet								
Duplicate (BA22198-DUP1)	Duplicate	*Source sample: 22A0823-23 (SODUP02_012022)							Prepared & Analyzed: 01/21/2022			
Nickel		505	1.33	mg/kg dry		521				3.11	35	
Matrix Spike (BA22198-MS1)	Matrix Spike	*Source sample: 22A0823-23 (SODUP02_012022)							Prepared & Analyzed: 01/21/2022			
Nickel		539	1.33	mg/kg dry	66.6	521	27.3	75-125	Low Bias			
Post Spike (BA22198-PS1)	Post Spike	*Source sample: 22A0823-23 (SODUP02_012022)							Prepared & Analyzed: 01/21/2022			
Nickel		4.36		mg/L	0.500	3.91	90.5	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22198 - EPA 3050B											
Reference (BA22198-SRM1) Reference									Prepared & Analyzed: 01/21/2022		
Nickel	45.1	1.00	mg/kg wet	53.9		83.6	69.9-129.9				
Batch BA22302 - EPA 3015A											
Blank (BA22302-BLK1) Blank									Prepared & Analyzed: 01/24/2022		
Nickel	ND	0.0111	mg/L								
LCS (BA22302-BS1) LCS									Prepared & Analyzed: 01/24/2022		
Nickel	0.528		mg/L	0.500		106	80-120				
Duplicate (BA22302-DUP1) Duplicate	*Source sample: 22A0900-35 (Duplicate)								Prepared & Analyzed: 01/24/2022		
Nickel	ND	0.0111	mg/L		ND					20	
Matrix Spike (BA22302-MS1) Matrix Spike	*Source sample: 22A0900-35 (Matrix Spike)								Prepared & Analyzed: 01/24/2022		
Nickel	0.569	0.0111	mg/L	0.556	ND	102	75-125				
Post Spike (BA22302-PS1) Post Spike	*Source sample: 22A0900-35 (Post Spike)								Prepared & Analyzed: 01/24/2022		
Nickel	0.505		mg/L	0.500	-0.0123	101	75-125				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22237 - % Solids Prep											
Duplicate (BA22237-DUP1) Duplicate	*Source sample: 22A0823-13 (SB15_E4_7-8)								Prepared: 01/21/2022 Analyzed: 01/24/2022		
% Solids	83.5	0.100	%		79.0				5.48	20	
Batch BA22246 - % Solids Prep											
Duplicate (BA22246-DUP1) Duplicate	*Source sample: 22A0823-23 (SODUP02_012022)								Prepared & Analyzed: 01/24/2022		
% Solids	79.6	0.100	%		75.1				5.83	20	

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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to activate select samples for Ni analysis.

PDT - Nickel Analysis

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

22A0823

YORK Project #: ~~22 40807~~

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan, DPC	Company: Langan, DPC	Company: Langan, DPC	170610601	RUSH - Next Day: X
Address:	Address:	Address:	YOUR Project Name: 475 Bayside / 31 Wave Street	RUSH - Two Day:
Phone:	Phone:	Phone:		RUSH - Three Day:
Contact: Ksiemaszko@langan.com	Contact: + mmonroe@langan.com	Contact:		RUSH - Four Day:
E-mail: lesmaszko@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day):

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Meghan Orchica

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
~~SB20~~ SB01-N4_7-8	S	11/21/22 1245	Nickel	
SB01-N5_7-8		1250		HOLD
SB01_N6-7-8		255		HOLD
SB01-E4_7-8		300		
SB01-E5-7-8		310		HOLD
SB01-E6-7-8		315		HOLD
SB01-S4_7-8		1320		
SB01-S5 7-8		1325		HOLD
SB01-S6-7-8		1330		HOLD

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
MO'L / Langan	11/20/2022 1450	Andrew S. York	11/20/22 17:14	~~Ethan / York~~ FH	1-20-22 14:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Ethan			11/20/22 21:40		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[illegible]	11/20/22 21:40

Temp. Received at Lab: 32 Degrees C

VD1 Nickel Delineation

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

DM 22A0823

YORK Project No. 22A0807

YOUR Information	Report To:	Invoice To:
Company: Langan, DPC	Company: Langan, DPC	Company: Langan, DPC
Address:	Address:	Address:
Phone:	Phone:	Phone:
Contact: kschnitz@langan.com	Contact: mmonica@langan.com	Contact:
E-mail: kschnitz@langan.com	E-mail:	E-mail:

YOUR Project Number: 170161601

YOUR Project Name: 475 Bay Street 3rd Wave Street

YOUR PO#:

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Meghan Monica

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

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp. — Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB15_N4-7-8	S	01/20/22 11:15	Nickel	
SB15_N5_7-8		1120		HOLD
SB15_N6_7-8		1125		HOLD
SB15_E4-7-8		1133		
SB15_E5-7-8		1146		HOLD
SB15_E6_7-8		1150		HOLD
SB15_S4_7-8		1053		
SB15_S5_7-8		1103		HOLD
SB15_S6_7-8		1111		HOLD
SB15_W4_7-8		1020		

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Langan	01/20/2022 1656	Andrew S York	1/20/22 17:14	York	1-20-22 19:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
			1/21/22 2:40		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					11/20/22 2:40

Temp. Received at Lab: 3.2 Degrees C

TDI - Nickel Remediation

KM

22A0823

Field Chain-of-Custody Record

YORK Project No. ~~22A0807~~

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:
Company: Langan, DPC	Company: Langan, DPC	Company: Langan, DPC
Address:	Address:	Address:
Phone:	Phone:	Phone:
Contact: Remedia@langan.com	Contact: Mmorado@langan.com	Contact:
E-mail: Bmaier@langan.com	E-mail:	E-mail:

YOUR Project Number: 170161.001

YOUR Project Name: 47 Bay Street / 31 Wave Street

YOUR PO#:

Turn-Around Time: RUSH - Next Day [X] / RUSH - Two Day / RUSH - Three Day / RUSH - Four Day / Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Meghan Grimley

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: [X] New York; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB15.IVS_7-E	S	01/20/2022 1025	Nickel	HOLD
SB15.IVG-7-E	S	1630		HOLD
SODUP01-012022	S			
SODUP02-012022	S			
SOFB01-012022	W	1430		

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
MA / Langan	1/20/2022 1550	Andrew S. York	1/20/22 17:14		1-20-22 19:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
			1/20/22 2140		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					1/20/22 2140

Temp. Received at Lab: 3.2 Degrees C

Technical Report

prepared for:

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

Report Date: 01/26/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A0893

Revision No. 2.0

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

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

Report Date: 01/26/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A0893

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 21, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22A0893-01	SB16_N4_14-15	Soil	01/21/2022	01/21/2022
22A0893-02	SB16_N5_14-15	Soil	01/21/2022	01/21/2022
22A0893-03	SB16_N6_14-15	Soil	01/21/2022	01/21/2022
22A0893-04	SB16_W4_14-15	Soil	01/21/2022	01/21/2022
22A0893-05	SB16_W5_14-15	Soil	01/21/2022	01/21/2022
22A0893-06	SB16_W6_14-15	Soil	01/21/2022	01/21/2022
22A0893-07	SB11_S4_14-15	Soil	01/21/2022	01/21/2022
22A0893-10	SOFB02_012122	Water	01/21/2022	01/21/2022

General Notes for York Project (SDG) No.: 22A0893

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

Approved By **Date:** 01/26/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB16_N4_14-15 **York Sample ID:** 22A0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 8:30 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**324**		mg/kg dry	1.20	1	EPA 6010D	01/24/2022 09:31	01/24/2022 14:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.0**		%	0.100	1	SM 2540G	01/24/2022 10:10	01/24/2022 14:49	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB16_N5_14-15** **York Sample ID:** **22A0893-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 8:35 am	01/21/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**318**		mg/kg dry	1.18	1	EPA 6010D	01/24/2022 09:31	01/25/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.6**		%	0.100	1	SM 2540G	01/25/2022 12:22	01/25/2022 15:10	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_N6_14-15** **York Sample ID:** **22A0893-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 8:45 am	01/21/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**237**		mg/kg dry	1.22	1	EPA 6010D	01/24/2022 09:31	01/26/2022 10:30	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.1**		%	0.100	1	SM 2540G	01/26/2022 10:16	01/26/2022 12:55	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_W4_14-15** **York Sample ID:** **22A0893-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 9:05 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**464**		mg/kg dry	1.15	1	EPA 6010D	01/24/2022 09:31	01/24/2022 15:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	01/24/2022 11:57	01/24/2022 14:40	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB16_W5_14-15 **York Sample ID:** 22A0893-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 9:27 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**332**		mg/kg dry	1.23	1	EPA 6010D	01/24/2022 09:31	01/25/2022 14:20	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.4**		%	0.100	1	SM 2540G	01/25/2022 12:22	01/25/2022 15:10	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB16_W6_14-15** **York Sample ID:** **22A0893-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 9:30 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**552**		mg/kg dry	1.16	1	EPA 6010D	01/24/2022 09:31	01/26/2022 10:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.5**		%	0.100	1	SM 2540G	01/26/2022 10:16	01/26/2022 12:55	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB11_S4_14-15 **York Sample ID:** 22A0893-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Soil	January 21, 2022 10:45 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**146**		mg/kg dry	1.21	1	EPA 6010D	01/24/2022 09:31	01/24/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.4**		%	0.100	1	SM 2540G	01/24/2022 11:57	01/24/2022 14:40	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SOFB02_012122 **York Sample ID:** 22A0893-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A0893	170610601	Water	January 21, 2022 7:40 am	01/21/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	01/24/2022 11:24	01/24/2022 15:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA22113 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-01	SB16_N4_14-15	01/24/22
BA22113-DUP1	Duplicate	01/24/22

Batch ID: BA22296 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-01	SB16_N4_14-15	01/24/22
22A0893-02	SB16_N5_14-15	01/24/22
22A0893-03	SB16_N6_14-15	01/24/22
22A0893-04	SB16_W4_14-15	01/24/22
22A0893-05	SB16_W5_14-15	01/24/22
22A0893-06	SB16_W6_14-15	01/24/22
22A0893-07	SB11_S4_14-15	01/24/22
BA22296-BLK1	Blank	01/24/22
BA22296-DUP1	Duplicate	01/24/22
BA22296-MS1	Matrix Spike	01/24/22
BA22296-PS1	Post Spike	01/24/22
BA22296-SRM1	Reference	01/24/22

Batch ID: BA22302 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-10	SOFB02_012122	01/24/22
BA22302-BLK1	Blank	01/24/22
BA22302-BS1	LCS	01/24/22
BA22302-DUP1	Duplicate	01/24/22
BA22302-MS1	Matrix Spike	01/24/22
BA22302-PS1	Post Spike	01/24/22

Batch ID: BA22306 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-04	SB16_W4_14-15	01/24/22
22A0893-07	SB11_S4_14-15	01/24/22
BA22306-DUP1	Duplicate	01/24/22

Batch ID: BA22370 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-02	SB16_N5_14-15	01/25/22
22A0893-05	SB16_W5_14-15	01/25/22
BA22370-DUP1	Duplicate	01/25/22

Batch ID: BA22446 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22A0893-03	SB16_N6_14-15	01/26/22
22A0893-06	SB16_W6_14-15	01/26/22
BA22446-DUP1	Duplicate	01/26/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22296 - EPA 3050B												
Blank (BA22296-BLK1)	Blank								Prepared & Analyzed: 01/24/2022			
Nickel		ND	1.00	mg/kg wet								
Duplicate (BA22296-DUP1)	Duplicate	*Source sample: 22A0893-01 (SB16_N4_14-15)							Prepared & Analyzed: 01/24/2022			
Nickel		427	1.20	mg/kg dry		324				27.6	35	
Matrix Spike (BA22296-MS1)	Matrix Spike	*Source sample: 22A0893-01 (SB16_N4_14-15)							Prepared & Analyzed: 01/24/2022			
Nickel		357	1.20	mg/kg dry	60.2	324	55.2	75-125	Low Bias			
Post Spike (BA22296-PS1)	Post Spike	*Source sample: 22A0893-01 (SB16_N4_14-15)							Prepared & Analyzed: 01/24/2022			
Nickel		3.31		mg/L	0.500	2.69	126	75-125	High Bias			
Reference (BA22296-SRM1)	Reference								Prepared & Analyzed: 01/24/2022			
Nickel		71.8	1.00	mg/kg wet	53.9		133	69.9-129.9	High Bias			
Batch BA22302 - EPA 3015A												
Blank (BA22302-BLK1)	Blank								Prepared & Analyzed: 01/24/2022			
Nickel		ND	0.0111	mg/L								
LCS (BA22302-BS1)	LCS								Prepared & Analyzed: 01/24/2022			
Nickel		0.528		mg/L	0.500		106	80-120				
Duplicate (BA22302-DUP1)	Duplicate	*Source sample: 22A0900-35 (Duplicate)							Prepared & Analyzed: 01/24/2022			
Nickel		ND	0.0111	mg/L		ND					20	
Matrix Spike (BA22302-MS1)	Matrix Spike	*Source sample: 22A0900-35 (Matrix Spike)							Prepared & Analyzed: 01/24/2022			
Nickel		0.569	0.0111	mg/L	0.556	ND	102	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22302 - EPA 3015A											
Post Spike (BA22302-PS1) Post Spike	*Source sample: 22A0900-35 (Post Spike)								Prepared & Analyzed: 01/24/2022		
Nickel	0.505		mg/L	0.500	-0.0123	101	75-125				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA22113 - % Solids Prep											
Duplicate (BA22113-DUP1) Duplicate	*Source sample: 22A0893-01 (SB16_N4_14-15)							Prepared & Analyzed: 01/24/2022			
% Solids	82.9	0.100	%		83.0				0.160	20	
Batch BA22306 - % Solids Prep											
Duplicate (BA22306-DUP1) Duplicate	*Source sample: 22A0893-07 (SB11_S4_14-15)							Prepared & Analyzed: 01/24/2022			
% Solids	82.4	0.100	%		82.4				0.0138	20	
Batch BA22370 - % Solids Prep											
Duplicate (BA22370-DUP1) Duplicate	*Source sample: 22A0934-04 (Duplicate)							Prepared & Analyzed: 01/25/2022			
% Solids	71.4	0.100	%		77.8				8.48	20	
Batch BA22446 - % Solids Prep											
Duplicate (BA22446-DUP1) Duplicate	*Source sample: 22A0993-06 (Duplicate)							Prepared & Analyzed: 01/26/2022			
% Solids	89.6	0.100	%		89.2				0.480	20	

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Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to analyze samples -03 and -06.

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
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YDT - Nickel Delineation

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.: 22A0893

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan, DPC	Company: Langan, DPC	Company: Langan, DPC
Address:	Address:	Address:
Phone: KSeman@langan.com	Phone:	Phone:
Contact: lesmail@langan.com	Contact:	Contact:
E-mail: MAronica@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street/ 31 Wave Street

YOUR PO#:

Turn-Around Time: RUSH - Next Day [X]; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Meghan Aronica

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

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York [X]; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB16_N4_14-15	S	01/21/22 0930	Nickel	MS/MSD
SB16_N5_14-15	S	0935		HOLD
SB16_N6_14-15	S	0945		HOLD
SB16_W4_14-15	S	0905		
SB16_W5_14-15	S	0927		HOLD
SB16_W6_14-15	S	0930		HOLD
SB11_S4_14-15	S	1045		
SB11_S5_14-15	S	1115		HOLD
SB11_S6_14-15	S	1120		HOLD
SOFB02-012122	W	0740		

Comments:

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
M A/Langan	01/21/2022	Andrew S. York	1/21/22 15:44	Andrew S. York	1/21/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Hamur/York	1-21-22 1830	Hamur/York	1-21-22 2000		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Temp. Received at Lab
				TC Patel 1/21/22 2000	5.9 Degrees C

Technical Report

prepared for:

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

Report Date: 02/07/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A1238

Report Date: 02/07/2022
Client Project ID: 170610601
York Project (SDG) No.: 22A1238

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 01, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22A1238-01	EP16_7.5	Soil	01/31/2022	02/01/2022
22A1238-02	EP17_7.5	Soil	01/31/2022	02/01/2022
22A1238-03	EP18_7.5	Soil	01/31/2022	02/01/2022
22A1238-04	EP19_7.5	Soil	01/31/2022	02/01/2022
22A1238-05	FB01_PFAS_013122	Water	01/31/2022	02/01/2022

General Notes for York Project (SDG) No.: 22A1238

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

Approved By **Date:** 02/07/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0056**	CCV-E, J	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0061**	J	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C	02/01/2022 06:00	02/01/2022 15:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**0.226**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**1.20**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.634**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.268**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.522**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.909**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.735**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.870**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.596**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.697**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.337**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.01**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.293**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.864**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.89**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.990**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.563**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**2.53**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.34**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.93**		mg/kg dry	0.0475	0.0948	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D	02/03/2022 07:58	02/07/2022 10:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*52.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*51.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*68.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.5 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*51.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*75.0 %*	*24-116*

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/03/2022 12:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.383**		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.413**		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.247	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 20:50	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*61.5 %*	*25-150*
Surrogate: M5PFHxA	*70.3 %*	*25-150*
Surrogate: M4PFHpA	*49.3 %*	*25-150*
Surrogate: M3PFHxS	*77.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.8 %*	*25-150*
Surrogate: M6PFDA	*65.4 %*	*25-150*
Surrogate: M7PFUdA	*49.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*49.3 %*	*25-150*
Surrogate: M2PFTeDA	*54.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*61.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*64.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*68.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*46.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*56.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*156 %*	*25-200*
Surrogate: M2-8:2 FTS	*97.8 %*	*25-200*
Surrogate: M9PFNA	*78.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:59	02/04/2022 16:32	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:59	02/04/2022 16:32	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/03/2022 07:59	02/04/2022 16:32	CM

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.186	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0373	5	EPA 8081B	02/03/2022 07:59	02/04/2022 16:32	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.3 %*	*30-150*

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A	02/03/2022 07:59	02/03/2022 23:25	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0230	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:30	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:30	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0230	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:30	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*23.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12800**		mg/kg dry	5.76	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.29**		mg/kg dry	2.88	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP16_7.5** **York Sample ID:** **22A1238-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.00**		mg/kg dry	1.73	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**77.9**		mg/kg dry	2.88	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11800**	B	mg/kg dry	5.76	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**56.4**		mg/kg dry	0.576	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**22.6**		mg/kg dry	0.461	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**48.5**		mg/kg dry	2.30	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**25000**		mg/kg dry	28.8	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**117**		mg/kg dry	0.576	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9050**	B	mg/kg dry	5.76	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**507**		mg/kg dry	0.576	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**231**		mg/kg dry	1.15	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1480**	B	mg/kg dry	5.76	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**286**		mg/kg dry	57.6	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**37.7**		mg/kg dry	1.15	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**136**		mg/kg dry	2.88	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP16_7.5 **York Sample ID:** 22A1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:30 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0958**		mg/kg dry	0.0346	1	EPA 7473	02/07/2022 09:59	02/07/2022 14:36	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.576	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**56.4**		mg/kg	0.500	1	Calculation	02/07/2022 12:31	02/07/2022 12:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.576	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	1	SM 2540G	02/02/2022 11:56	02/02/2022 13:52	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.015**	CCV-E	mg/kg dry	0.0071	0.014	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C	02/01/2022 06:00	02/01/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0612**	J	mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0596**	J	mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.197	0.393	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0785**	J	mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.341**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.336**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.294**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.290**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.305**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.413**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0800**	J	mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.482**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0502**	J	mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.220**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.112**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.274**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.619**		mg/kg dry	0.0492	0.0982	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*47.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*56.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*53.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*80.9 %*	*24-116*

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/03/2022 12:18	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.376**		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.482**		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/04/2022 21:02	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*71.5 %*		*25-150*
Surrogate: M5PFHxA	*81.7 %*		*25-150*
Surrogate: M4PFHpA	*44.4 %*		*25-150*
Surrogate: M3PFHxS	*88.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.6 %*		*25-150*
Surrogate: M6PFDA	*57.3 %*		*25-150*
Surrogate: M7PFUdA	*48.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*50.6 %*		*25-150*
Surrogate: M2PFTeDA	*54.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*67.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*71.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*36.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*60.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*49.6 %*		*25-150*
Surrogate: M2-6:2 FTS	*206 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*95.6 %*		*25-200*
Surrogate: M9PFNA	*73.2 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 13:56	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 13:56	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 13:56	CM

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.194	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0388	5	EPA 8081B	02/02/2022 07:51	02/03/2022 13:56	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.6 %*	*30-150*

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:20	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:41	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:41	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:41	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*14.4 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8820**		mg/kg dry	5.94	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.97	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.91**		mg/kg dry	1.78	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**113**		mg/kg dry	2.97	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.357	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**16500**	B	mg/kg dry	5.94	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**37.2**		mg/kg dry	0.594	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**21.5**		mg/kg dry	0.475	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**179**		mg/kg dry	2.38	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**34300**		mg/kg dry	29.7	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**430**		mg/kg dry	0.594	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8400**	B	mg/kg dry	5.94	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**364**		mg/kg dry	0.594	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**229**		mg/kg dry	1.19	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1020**	B	mg/kg dry	5.94	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.97	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.715**		mg/kg dry	0.594	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**392**		mg/kg dry	59.4	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.97	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**33.9**		mg/kg dry	1.19	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**169**		mg/kg dry	2.97	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP17_7.5 **York Sample ID:** 22A1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:40 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.89**		mg/kg dry	0.0357	1	EPA 7473	02/07/2022 09:59	02/07/2022 14:46	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.594	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**37.2**		mg/kg	0.500	1	Calculation	02/07/2022 12:31	02/07/2022 12:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.594	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.1**		%	0.100	1	SM 2540G	02/02/2022 11:56	02/02/2022 13:52	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.10	0.21	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.016	0.031	1	EPA 8260C	02/02/2022 06:12	02/02/2022 15:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.125**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.340**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.800**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.44**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.38**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.13**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.992**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.960**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.424**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.51**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.321**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.232**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**3.12**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.338**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.870**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.222**		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.92**		mg/kg dry	0.127	0.253	5	EPA 8270D	02/03/2022 07:58	02/07/2022 14:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**3.25**		mg/kg dry	0.127	0.253	5	EPA 8270D	02/03/2022 07:58	02/07/2022 14:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	02/03/2022 07:58	02/07/2022 11:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*64.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*88.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*85.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*75.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*91.8 %*	*24-116*

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/03/2022 12:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.739**		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.288**		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:31	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.3 %*	*25-150*
Surrogate: M5PFHxA	*86.2 %*	*25-150*
Surrogate: M4PFHpA	*77.0 %*	*25-150*
Surrogate: M3PFHxS	*84.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*80.5 %*	*25-150*
Surrogate: M6PFDA	*90.6 %*	*25-150*
Surrogate: M7PFUdA	*87.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.9 %*	*25-150*
Surrogate: M2PFTeDA	*57.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*99.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*99.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*108 %*	*25-200*
Surrogate: M9PFNA	*96.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:13	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:13	CM

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.202	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0404	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:13	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.9 %*	*30-150*

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:35	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0240	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0240	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0240	1	EPA 8151A	02/03/2022 13:41	02/04/2022 16:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*51.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8260**		mg/kg dry	6.16	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.08	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**7.58**		mg/kg dry	1.85	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**184**		mg/kg dry	3.08	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.370	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8080**	B	mg/kg dry	6.16	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.7**		mg/kg dry	0.616	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**13.2**		mg/kg dry	0.493	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**63.6**		mg/kg dry	2.47	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17000**		mg/kg dry	30.8	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**375**		mg/kg dry	0.616	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5920**	B	mg/kg dry	6.16	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**157**		mg/kg dry	0.616	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**128**		mg/kg dry	1.23	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**893**	B	mg/kg dry	6.16	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.08	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.616	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**411**		mg/kg dry	61.6	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.08	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**25.7**		mg/kg dry	1.23	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**111**		mg/kg dry	3.08	1	EPA 6010D	02/02/2022 14:40	02/03/2022 21:28	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP18_7.5 **York Sample ID:** 22A1238-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:45 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.116**		mg/kg dry	0.0370	1	EPA 7473	02/07/2022 09:59	02/07/2022 14:59	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.616	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**24.7**		mg/kg	0.500	1	Calculation	02/07/2022 12:31	02/07/2022 12:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.616	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.1**		%	0.100	1	SM 2540G	02/02/2022 11:56	02/02/2022 13:52	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.086	0.17	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.026	1	EPA 8260C	02/02/2022 06:12	02/02/2022 16:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0829**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.206	0.411	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.411	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.111**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.107**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0681**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0706**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.198**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.102**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0747**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.183**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.163**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.411	2	EPA 8270D	02/03/2022 07:58	02/07/2022 12:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*45.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*62.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.4 %*	*24-116*

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/03/2022 12:52	KH

Surrogate Recoveries	Result		Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*36.0 %*	S-08	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1.13**		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.454**		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	02/01/2022 12:18	02/05/2022 12:43	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.3 %*	*25-150*
Surrogate: M5PFHxA	*95.9 %*	*25-150*
Surrogate: M4PFHpA	*87.2 %*	*25-150*
Surrogate: M3PFHxS	*96.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.7 %*	*25-150*
Surrogate: M6PFDA	*81.5 %*	*25-150*
Surrogate: M7PFUdA	*79.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.3 %*	*25-150*
Surrogate: M2PFTeDA	*62.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*89.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*90.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*83.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*80.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*82.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*72.4 %*	*25-200*
Surrogate: M9PFNA	*88.0 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:30	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:30	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/02/2022 07:51	02/03/2022 14:30	CM

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.203	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0406	5	EPA 8081B	02/02/2022 07:51	02/03/2022 14:30	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.8 %*	*30-150*

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A	02/02/2022 07:51	02/03/2022 04:49	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0245	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0245	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0245	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*29.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3480**		mg/kg dry	6.24	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.12	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**16.6**		mg/kg dry	1.87	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**87.5**		mg/kg dry	3.12	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.374	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**7660**		mg/kg dry	6.24	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**11.2**		mg/kg dry	0.624	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.42**		mg/kg dry	0.499	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**36.3**		mg/kg dry	2.49	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16100**		mg/kg dry	31.2	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**53.8**		mg/kg dry	0.624	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1880**		mg/kg dry	6.24	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**58.0**		mg/kg dry	0.624	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**24.3**		mg/kg dry	1.25	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**562**	B	mg/kg dry	6.24	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.12	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.624	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**182**		mg/kg dry	62.4	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.12	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.4**		mg/kg dry	1.25	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**51.3**		mg/kg dry	3.12	1	EPA 6010D	02/03/2022 15:31	02/07/2022 14:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP19_7.5 **York Sample ID:** 22A1238-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Soil	January 31, 2022 2:50 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.127**		mg/kg dry	0.0374	1	EPA 7473	02/07/2022 09:59	02/07/2022 15:08	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.624	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**11.2**		mg/kg	0.500	1	Calculation	02/07/2022 12:31	02/07/2022 17:03	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.624	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	02/02/2022 11:56	02/02/2022 13:52	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_013122** **York Sample ID:** **22A1238-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Water	January 31, 2022 2:14 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 16:40	WL

Sample Information

Client Sample ID: **FB01_PFAS_013122** **York Sample ID:** **22A1238-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22A1238	170610601	Water	January 31, 2022 2:14 pm	02/01/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m	02/02/2022 13:40	02/04/2022 16:40	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.1 %*	*25-150*
Surrogate: M5PFHxA	*91.3 %*	*25-150*
Surrogate: M4PFHpA	*100 %*	*25-150*
Surrogate: M3PFHxS	*95.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*84.2 %*	*25-150*
Surrogate: M6PFDA	*79.9 %*	*25-150*
Surrogate: M7PFUdA	*70.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*59.2 %*	*25-150*
Surrogate: M2PFTeDA	*44.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*90.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*22.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*63.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*60.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*79.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*82.3 %*	*25-200*
Surrogate: M9PFNA	*84.3 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21186 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/01/22
22A1238-02	EP17_7.5	02/01/22
22A1238-03	EP18_7.5	02/01/22
22A1238-04	EP19_7.5	02/01/22
BB21186-BLK1	Blank	02/01/22
BB21186-BS1	LCS	02/01/22
BB21186-MS1	Matrix Spike	02/01/22
BB21186-MSD1	Matrix Spike Dup	02/01/22

Batch ID: BB21201 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/01/22
22A1238-02	EP17_7.5	02/01/22
BB21201-BLK1	Blank	02/01/22
BB21201-BLK2	Blank	02/01/22
BB21201-BLK3	Blank	02/01/22
BB21201-BS1	LCS	02/01/22
BB21201-BSD1	LCS Dup	02/01/22

Batch ID: BB21238 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-02	EP17_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21238-BLK1	Blank	02/02/22
BB21238-BLK2	Blank	02/02/22
BB21238-BS1	LCS	02/02/22
BB21238-BS2	LCS	02/02/22

Batch ID: BB21243 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21243-BLK1	Blank	02/02/22
BB21243-DUP1	Duplicate	02/02/22
BB21243-MS1	Matrix Spike	02/02/22

BB21243-SRM1	Reference	02/02/22

Batch ID: BB21252 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21252-BLK1	Blank	02/02/22
BB21252-DUP1	Duplicate	02/02/22
BB21252-MS1	Matrix Spike	02/02/22
BB21252-SRM1	Reference	02/02/22

Batch ID: BB21270 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21270-DUP1	Duplicate	02/02/22

Batch ID: BB21276 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21276-BLK1	Blank	02/02/22
BB21276-BS1	LCS	02/02/22

Batch ID: BB21281 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-03	EP18_7.5	02/02/22
22A1238-04	EP19_7.5	02/02/22
BB21281-BLK1	Blank	02/02/22
BB21281-BLK2	Blank	02/02/22
BB21281-BLK3	Blank	02/02/22
BB21281-BLK4	Blank	02/02/22
BB21281-BS1	LCS	02/02/22
BB21281-BSD1	LCS Dup	02/02/22

Batch ID: BB21282 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date

22A1238-05	FB01_PFAS_013122	02/02/22
BB21282-BLK1	Blank	02/02/22
BB21282-BS1	LCS	02/02/22
BB21282-MS1	Matrix Spike	02/02/22
BB21282-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21287 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/02/22
22A1238-02	EP17_7.5	02/02/22
22A1238-03	EP18_7.5	02/02/22
BB21287-BLK1	Blank	02/02/22
BB21287-DUP1	Duplicate	02/02/22
BB21287-MS1	Matrix Spike	02/02/22
BB21287-PS1	Post Spike	02/02/22
BB21287-SRM1	Reference	02/02/22

Batch ID: BB21311 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/03/22
22A1238-02	EP17_7.5	02/03/22
22A1238-03	EP18_7.5	02/03/22
22A1238-03RE1	EP18_7.5	02/03/22
22A1238-04	EP19_7.5	02/03/22
BB21311-BLK1	Blank	02/03/22
BB21311-BS1	LCS	02/03/22
BB21311-MS1	Matrix Spike	02/03/22

Batch ID: BB21312 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/03/22
22A1238-01	EP16_7.5	02/03/22
BB21312-BLK1	Blank	02/03/22
BB21312-BLK2	Blank	02/03/22
BB21312-BS1	LCS	02/03/22
BB21312-BS2	LCS	02/03/22
BB21312-MS1	Matrix Spike	02/03/22
BB21312-MS2	Matrix Spike	02/03/22
BB21312-MSD1	Matrix Spike Dup	02/03/22
BB21312-MSD2	Matrix Spike Dup	02/03/22

Batch ID: BB21350 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/03/22
22A1238-02	EP17_7.5	02/03/22

22A1238-03	EP18_7.5	02/03/22
22A1238-04	EP19_7.5	02/03/22
BB21350-BLK1	Blank	02/03/22
BB21350-BS1	LCS	02/03/22
BB21350-MS1	Matrix Spike	02/03/22
BB21350-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21373 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-04	EP19_7.5	02/03/22
BB21373-BLK1	Blank	02/03/22
BB21373-SRM1	Reference	02/03/22

Batch ID: BB21483 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/07/22
22A1238-02	EP17_7.5	02/07/22
22A1238-03	EP18_7.5	02/07/22
22A1238-04	EP19_7.5	02/07/22
BB21483-BLK1	Blank	02/07/22
BB21483-DUP1	Duplicate	02/07/22
BB21483-MS1	Matrix Spike	02/07/22
BB21483-SRM1	Reference	02/07/22

Batch ID: BB21500 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22A1238-01	EP16_7.5	02/07/22
22A1238-02	EP17_7.5	02/07/22
22A1238-03	EP18_7.5	02/07/22
22A1238-04	EP19_7.5	02/07/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
Blank (BB21201-BLK1) Blank									Prepared & Analyzed: 02/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
Blank (BB21201-BLK1) Blank								Prepared & Analyzed: 02/01/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.7*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.4*		*"*	*50.0*		*107*	*76-130*				
Blank (BB21201-BLK2) MeOH Blank								Prepared & Analyzed: 02/01/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
Blank (BB21201-BLK2) MeOH Blank									Prepared & Analyzed: 02/01/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*ug/L*	*50.0*		*98.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
Blank (BB21201-BLK3) HB-22A1238									Prepared & Analyzed: 02/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
Blank (BB21201-BLK3) HB-22A1238								Prepared & Analyzed: 02/01/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.2*		*"*	*50.0*		*106*	*76-130*				
LCS (BB21201-BS1) LCS								Prepared & Analyzed: 02/01/2022			
1,1,1,2-Tetrachloroethane	47.0		ug/L	50.0		94.0	75-129				
1,1,1-Trichloroethane	48.6		"	50.0		97.2	71-137				
1,1,2,2-Tetrachloroethane	45.5		"	50.0		91.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.1		"	50.0		106	58-146				
1,1,2-Trichloroethane	45.8		"	50.0		91.7	83-123				
1,1-Dichloroethane	46.8		"	50.0		93.6	75-130				
1,1-Dichloroethylene	47.1		"	50.0		94.2	64-137				
1,2,3-Trichlorobenzene	48.2		"	50.0		96.5	81-140				
1,2,3-Trichloropropane	48.2		"	50.0		96.5	81-126				
1,2,4-Trichlorobenzene	49.7		"	50.0		99.4	80-141				
1,2,4-Trimethylbenzene	46.2		"	50.0		92.5	84-125				
1,2-Dibromo-3-chloropropane	46.6		"	50.0		93.2	74-142				
1,2-Dibromoethane	47.0		"	50.0		94.0	86-123				
1,2-Dichlorobenzene	47.4		"	50.0		94.7	85-122				
1,2-Dichloroethane	47.2		"	50.0		94.4	71-133				
1,2-Dichloropropane	45.1		"	50.0		90.2	81-122				
1,3,5-Trimethylbenzene	45.2		"	50.0		90.3	82-126				
1,3-Dichlorobenzene	47.2		"	50.0		94.5	84-124				
1,4-Dichlorobenzene	46.8		"	50.0		93.7	84-124				
1,4-Dioxane	1150		"	1050		110	10-228				
2-Butanone	45.7		"	50.0		91.4	58-147				
2-Hexanone	42.5		"	50.0		84.9	70-139				
4-Methyl-2-pentanone	31.5		"	50.0		63.0	72-132	Low Bias			
Acetone	47.0		"	50.0		94.1	36-155				
Acrolein	24.2		"	50.0		48.5	10-238				
Acrylonitrile	47.6		"	50.0		95.2	66-141				
Benzene	48.4		"	50.0		96.7	77-127				
Bromochloromethane	47.3		"	50.0		94.5	74-129				
Bromodichloromethane	46.2		"	50.0		92.3	81-124				
Bromoform	52.2		"	50.0		104	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
LCS (BB21201-BS1) LCS							Prepared & Analyzed: 02/01/2022				
Bromomethane	46.3		ug/L	50.0		92.7	32-177				
Carbon disulfide	49.5		"	50.0		99.1	10-136				
Carbon tetrachloride	50.4		"	50.0		101	66-143				
Chlorobenzene	49.2		"	50.0		98.5	86-120				
Chloroethane	59.1		"	50.0		118	51-142				
Chloroform	49.4		"	50.0		98.9	76-131				
Chloromethane	36.5		"	50.0		72.9	49-132				
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	74-132				
cis-1,3-Dichloropropylene	46.2		"	50.0		92.3	81-129				
Cyclohexane	45.1		"	50.0		90.2	70-130				
Dibromochloromethane	48.1		"	50.0		96.2	10-200				
Dibromomethane	45.3		"	50.0		90.5	83-124				
Dichlorodifluoromethane	26.6		"	50.0		53.1	28-158				
Ethyl Benzene	46.3		"	50.0		92.6	84-125				
Hexachlorobutadiene	48.2		"	50.0		96.4	83-133				
Isopropylbenzene	47.2		"	50.0		94.5	81-127				
Methyl acetate	43.8		"	50.0		87.6	41-143				
Methyl tert-butyl ether (MTBE)	44.5		"	50.0		89.0	74-131				
Methylcyclohexane	43.8		"	50.0		87.6	70-130				
Methylene chloride	47.0		"	50.0		93.9	57-141				
n-Butylbenzene	45.4		"	50.0		90.9	80-130				
n-Propylbenzene	51.4		"	50.0		103	74-136				
o-Xylene	47.1		"	50.0		94.2	83-123				
p- & m- Xylenes	92.0		"	100		92.0	82-128				
p-Isopropyltoluene	47.4		"	50.0		94.8	85-125				
sec-Butylbenzene	45.8		"	50.0		91.7	83-125				
Styrene	45.6		"	50.0		91.1	86-126				
tert-Butyl alcohol (TBA)	242		"	250		96.9	70-130				
tert-Butylbenzene	40.8		"	50.0		81.5	80-127				
Tetrachloroethylene	44.4		"	50.0		88.7	80-129				
Toluene	44.8		"	50.0		89.5	85-121				
trans-1,2-Dichloroethylene	47.7		"	50.0		95.4	72-132				
trans-1,3-Dichloropropylene	44.8		"	50.0		89.7	78-132				
Trichloroethylene	46.4		"	50.0		92.7	84-123				
Trichlorofluoromethane	48.9		"	50.0		97.8	62-140				
Vinyl Chloride	38.4		"	50.0		76.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.7*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
LCS Dup (BB21201-BSD1) LCS Dup								Prepared & Analyzed: 02/01/2022			
1,1,1,2-Tetrachloroethane	47.6		ug/L	50.0		95.3	75-129		1.39	30	
1,1,1-Trichloroethane	47.6		"	50.0		95.1	71-137		2.16	30	
1,1,2,2-Tetrachloroethane	46.6		"	50.0		93.3	79-129		2.45	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.9		"	50.0		93.7	58-146		12.5	30	
1,1,2-Trichloroethane	46.0		"	50.0		92.1	83-123		0.435	30	
1,1-Dichloroethane	46.1		"	50.0		92.2	75-130		1.46	30	
1,1-Dichloroethylene	45.3		"	50.0		90.6	64-137		3.90	30	
1,2,3-Trichlorobenzene	48.7		"	50.0		97.4	81-140		0.970	30	
1,2,3-Trichloropropane	48.0		"	50.0		96.1	81-126		0.395	30	
1,2,4-Trichlorobenzene	49.2		"	50.0		98.4	80-141		1.05	30	
1,2,4-Trimethylbenzene	46.3		"	50.0		92.6	84-125		0.108	30	
1,2-Dibromo-3-chloropropane	46.9		"	50.0		93.7	74-142		0.578	30	
1,2-Dibromoethane	47.4		"	50.0		94.9	86-123		0.932	30	
1,2-Dichlorobenzene	47.9		"	50.0		95.7	85-122		1.07	30	
1,2-Dichloroethane	46.8		"	50.0		93.6	71-133		0.851	30	
1,2-Dichloropropane	45.5		"	50.0		91.0	81-122		0.883	30	
1,3,5-Trimethylbenzene	45.4		"	50.0		90.9	82-126		0.618	30	
1,3-Dichlorobenzene	47.5		"	50.0		94.9	84-124		0.507	30	
1,4-Dichlorobenzene	47.7		"	50.0		95.3	84-124		1.74	30	
1,4-Dioxane	1170		"	1050		111	10-228		1.19	30	
2-Butanone	44.4		"	50.0		88.9	58-147		2.77	30	
2-Hexanone	41.6		"	50.0		83.2	70-139		2.12	30	
4-Methyl-2-pentanone	31.6		"	50.0		63.3	72-132	Low Bias	0.475	30	
Acetone	43.1		"	50.0		86.2	36-155		8.74	30	
Acrolein	27.8		"	50.0		55.6	10-238		13.6	30	
Acrylonitrile	47.0		"	50.0		94.1	66-141		1.25	30	
Benzene	47.0		"	50.0		94.0	77-127		2.83	30	
Bromochloromethane	46.3		"	50.0		92.7	74-129		2.01	30	
Bromodichloromethane	46.9		"	50.0		93.8	81-124		1.57	30	
Bromoform	52.6		"	50.0		105	80-136		0.706	30	
Bromomethane	45.1		"	50.0		90.2	32-177		2.76	30	
Carbon disulfide	48.1		"	50.0		96.2	10-136		2.91	30	
Carbon tetrachloride	49.5		"	50.0		99.0	66-143		1.88	30	
Chlorobenzene	49.2		"	50.0		98.4	86-120		0.0609	30	
Chloroethane	52.4		"	50.0		105	51-142		12.0	30	
Chloroform	48.3		"	50.0		96.6	76-131		2.35	30	
Chloromethane	33.8		"	50.0		67.7	49-132		7.48	30	
cis-1,2-Dichloroethylene	45.8		"	50.0		91.7	74-132		0.804	30	
cis-1,3-Dichloropropylene	46.4		"	50.0		92.9	81-129		0.605	30	
Cyclohexane	43.3		"	50.0		86.7	70-130		3.94	30	
Dibromochloromethane	48.5		"	50.0		97.0	10-200		0.911	30	
Dibromomethane	45.3		"	50.0		90.7	83-124		0.132	30	
Dichlorodifluoromethane	25.3		"	50.0		50.7	28-158		4.74	30	
Ethyl Benzene	46.0		"	50.0		92.1	84-125		0.542	30	
Hexachlorobutadiene	48.9		"	50.0		97.8	83-133		1.42	30	
Isopropylbenzene	47.6		"	50.0		95.2	81-127		0.759	30	
Methyl acetate	44.0		"	50.0		87.9	41-143		0.387	30	
Methyl tert-butyl ether (MTBE)	44.4		"	50.0		88.9	74-131		0.112	30	
Methylcyclohexane	43.6		"	50.0		87.3	70-130		0.412	30	
Methylene chloride	45.4		"	50.0		90.8	57-141		3.44	30	
n-Butylbenzene	44.6		"	50.0		89.2	80-130		1.91	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21201 - EPA 5035A											
LCS Dup (BB21201-BSD1) LCS Dup								Prepared & Analyzed: 02/01/2022			
n-Propylbenzene	51.6		ug/L	50.0		103	74-136		0.408	30	
o-Xylene	46.6		"	50.0		93.2	83-123		1.13	30	
p- & m- Xylenes	92.0		"	100		92.0	82-128		0.0326	30	
p-Isopropyltoluene	47.3		"	50.0		94.7	85-125		0.127	30	
sec-Butylbenzene	45.9		"	50.0		91.9	83-125		0.218	30	
Styrene	46.0		"	50.0		92.0	86-126		0.983	30	
tert-Butyl alcohol (TBA)	256		"	250		102	70-130		5.57	30	
tert-Butylbenzene	40.6		"	50.0		81.2	80-127		0.320	30	
Tetrachloroethylene	44.8		"	50.0		89.5	80-129		0.875	30	
Toluene	44.4		"	50.0		88.9	85-121		0.695	30	
trans-1,2-Dichloroethylene	46.2		"	50.0		92.3	72-132		3.28	30	
trans-1,3-Dichloropropylene	45.8		"	50.0		91.5	78-132		2.03	30	
Trichloroethylene	46.3		"	50.0		92.7	84-123		0.0432	30	
Trichlorofluoromethane	44.0		"	50.0		88.0	62-140		10.5	30	
Vinyl Chloride	37.2		"	50.0		74.3	52-130		3.33	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.9*		*"*	*50.0*		*97.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.3*	*76-130*				
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK1) Blank								Prepared & Analyzed: 02/02/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK1) Blank									Prepared & Analyzed: 02/02/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.0*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.1*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21281 - EPA 5035A

Blank (BB21281-BLK2) MeOH Blank — Prepared & Analyzed: 02/02/2022

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

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK2) MeOH Blank								Prepared & Analyzed: 02/02/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.1*		*ug/L*	*50.0*		*112*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.0*		*"*	*50.0*		*96.0*	*76-130*				
Blank (BB21281-BLK3) HB-22B0047								Prepared & Analyzed: 02/02/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK3) HB-22B0047									Prepared & Analyzed: 02/02/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK4) HB-22B0044									Prepared & Analyzed: 02/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK4) HB-22B0044								Prepared & Analyzed: 02/02/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.9*		*ug/L*	*50.0*		*112*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				
LCS (BB21281-BS1) LCS								Prepared & Analyzed: 02/02/2022			
1,1,1,2-Tetrachloroethane	53.3		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137				
1,1,2,2-Tetrachloroethane	45.2		"	50.0		90.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		92.1	58-146				
1,1,2-Trichloroethane	46.8		"	50.0		93.6	83-123				
1,1-Dichloroethane	44.8		"	50.0		89.7	75-130				
1,1-Dichloroethylene	44.4		"	50.0		88.8	64-137				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	50.1		"	50.0		100	81-126				
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	49.7		"	50.0		99.5	84-125				
1,2-Dibromo-3-chloropropane	48.3		"	50.0		96.6	74-142				
1,2-Dibromoethane	49.5		"	50.0		98.9	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	49.4		"	50.0		98.7	71-133				
1,2-Dichloropropane	43.2		"	50.0		86.5	81-122				
1,3,5-Trimethylbenzene	49.0		"	50.0		98.0	82-126				
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,4-Dichlorobenzene	50.4		"	50.0		101	84-124				
1,4-Dioxane	1040		"	1050		98.7	10-228				
2-Butanone	42.2		"	50.0		84.3	58-147				
2-Hexanone	41.7		"	50.0		83.4	70-139				
4-Methyl-2-pentanone	40.1		"	50.0		80.1	72-132				
Acetone	36.1		"	50.0		72.3	36-155				
Acrolein	25.2		"	50.0		50.3	10-238				
Acrylonitrile	41.1		"	50.0		82.2	66-141				
Benzene	44.7		"	50.0		89.5	77-127				
Bromochloromethane	42.2		"	50.0		84.3	74-129				
Bromodichloromethane	51.6		"	50.0		103	81-124				
Bromoform	56.3		"	50.0		113	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS (BB21281-BS1) LCS							Prepared & Analyzed: 02/02/2022				
Bromomethane	52.6		ug/L	50.0		105	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	56.2		"	50.0		112	66-143				
Chlorobenzene	50.7		"	50.0		101	86-120				
Chloroethane	43.9		"	50.0		87.8	51-142				
Chloroform	50.6		"	50.0		101	76-131				
Chloromethane	26.5		"	50.0		52.9	49-132				
cis-1,2-Dichloroethylene	44.8		"	50.0		89.6	74-132				
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129				
Cyclohexane	38.8		"	50.0		77.5	70-130				
Dibromochloromethane	55.1		"	50.0		110	10-200				
Dibromomethane	47.2		"	50.0		94.4	83-124				
Dichlorodifluoromethane	23.8		"	50.0		47.6	28-158				
Ethyl Benzene	48.3		"	50.0		96.6	84-125				
Hexachlorobutadiene	57.3		"	50.0		115	83-133				
Isopropylbenzene	50.2		"	50.0		100	81-127				
Methyl acetate	36.2		"	50.0		72.5	41-143				
Methyl tert-butyl ether (MTBE)	44.7		"	50.0		89.4	74-131				
Methylcyclohexane	43.8		"	50.0		87.5	70-130				
Methylene chloride	41.9		"	50.0		83.7	57-141				
n-Butylbenzene	51.1		"	50.0		102	80-130				
n-Propylbenzene	47.8		"	50.0		95.5	74-136				
o-Xylene	50.7		"	50.0		101	83-123				
p- & m- Xylenes	98.5		"	100		98.5	82-128				
p-Isopropyltoluene	51.2		"	50.0		102	85-125				
sec-Butylbenzene	48.9		"	50.0		97.8	83-125				
Styrene	47.3		"	50.0		94.6	86-126				
tert-Butyl alcohol (TBA)	228		"	250		91.2	70-130				
tert-Butylbenzene	50.6		"	50.0		101	80-127				
Tetrachloroethylene	45.4		"	50.0		90.9	80-129				
Toluene	46.4		"	50.0		92.9	85-121				
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	72-132				
trans-1,3-Dichloropropylene	51.3		"	50.0		103	78-132				
Trichloroethylene	48.2		"	50.0		96.5	84-123				
Trichlorofluoromethane	50.8		"	50.0		102	62-140				
Vinyl Chloride	34.3		"	50.0		68.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.8*		*"*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21281 - EPA 5035A

LCS Dup (BB21281-BSD1) LCS Dup — Prepared & Analyzed: 02/02/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	54.3		ug/L	50.0		109	75-129		1.93	30	
1,1,1-Trichloroethane	52.9		"	50.0		106	71-137		0.978	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.8	79-129		4.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.3	58-146		1.97	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.8	83-123		2.32	30	
1,1-Dichloroethane	43.8		"	50.0		87.7	75-130		2.28	30	
1,1-Dichloroethylene	44.1		"	50.0		88.2	64-137		0.700	30	
1,2,3-Trichlorobenzene	53.8		"	50.0		108	81-140		1.27	30	
1,2,3-Trichloropropane	51.5		"	50.0		103	81-126		2.68	30	
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141		0.0552	30	
1,2,4-Trimethylbenzene	49.7		"	50.0		99.3	84-125		0.141	30	
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142		6.76	30	
1,2-Dibromoethane	51.5		"	50.0		103	86-123		4.04	30	
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122		0.0394	30	
1,2-Dichloroethane	50.4		"	50.0		101	71-133		2.05	30	
1,2-Dichloropropane	44.3		"	50.0		88.5	81-122		2.35	30	
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126		1.20	30	
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124		0.0986	30	
1,4-Dichlorobenzene	50.9		"	50.0		102	84-124		0.987	30	
1,4-Dioxane	1150		"	1050		109	10-228		10.3	30	
2-Butanone	44.3		"	50.0		88.5	58-147		4.88	30	
2-Hexanone	43.3		"	50.0		86.6	70-139		3.84	30	
4-Methyl-2-pentanone	43.0		"	50.0		86.0	72-132		7.01	30	
Acetone	36.5		"	50.0		73.0	36-155		1.05	30	
Acrolein	24.8		"	50.0		49.6	10-238		1.56	30	
Acrylonitrile	43.4		"	50.0		86.9	66-141		5.54	30	
Benzene	44.1		"	50.0		88.1	77-127		1.51	30	
Bromochloromethane	41.8		"	50.0		83.6	74-129		0.834	30	
Bromodichloromethane	52.7		"	50.0		105	81-124		2.05	30	
Bromoform	58.9		"	50.0		118	80-136		4.55	30	
Bromomethane	50.4		"	50.0		101	32-177		4.22	30	
Carbon disulfide	46.1		"	50.0		92.2	10-136		1.06	30	
Carbon tetrachloride	56.6		"	50.0		113	66-143		0.656	30	
Chlorobenzene	50.8		"	50.0		102	86-120		0.237	30	
Chloroethane	45.3		"	50.0		90.5	51-142		3.03	30	
Chloroform	49.8		"	50.0		99.7	76-131		1.57	30	
Chloromethane	26.7		"	50.0		53.4	49-132		0.903	30	
cis-1,2-Dichloroethylene	45.0		"	50.0		89.9	74-132		0.423	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		3.00	30	
Cyclohexane	38.5		"	50.0		77.0	70-130		0.621	30	
Dibromochloromethane	56.1		"	50.0		112	10-200		1.80	30	
Dibromomethane	49.1		"	50.0		98.2	83-124		3.86	30	
Dichlorodifluoromethane	23.2		"	50.0		46.5	28-158		2.42	30	
Ethyl Benzene	48.4		"	50.0		96.9	84-125		0.310	30	
Hexachlorobutadiene	58.0		"	50.0		116	83-133		1.18	30	
Isopropylbenzene	50.5		"	50.0		101	81-127		0.556	30	
Methyl acetate	37.8		"	50.0		75.6	41-143		4.19	30	
Methyl tert-butyl ether (MTBE)	45.7		"	50.0		91.5	74-131		2.23	30	
Methylcyclohexane	43.5		"	50.0		87.0	70-130		0.527	30	
Methylene chloride	41.1		"	50.0		82.2	57-141		1.88	30	
n-Butylbenzene	48.9		"	50.0		97.8	80-130		4.38	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS Dup (BB21281-BSD1) LCS Dup								Prepared & Analyzed: 02/02/2022			
n-Propylbenzene	47.6		ug/L	50.0		95.2	74-136		0.399	30	
o-Xylene	51.0		"	50.0		102	83-123		0.512	30	
p- & m- Xylenes	99.4		"	100		99.4	82-128		0.910	30	
p-Isopropyltoluene	51.5		"	50.0		103	85-125		0.624	30	
sec-Butylbenzene	48.6		"	50.0		97.2	83-125		0.595	30	
Styrene	48.0		"	50.0		96.1	86-126		1.57	30	
tert-Butyl alcohol (TBA)	252		"	250		101	70-130		10.0	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		0.0790	30	
Tetrachloroethylene	45.5		"	50.0		91.0	80-129		0.0880	30	
Toluene	47.1		"	50.0		94.2	85-121		1.39	30	
trans-1,2-Dichloroethylene	44.1		"	50.0		88.2	72-132		2.40	30	
trans-1,3-Dichloropropylene	52.6		"	50.0		105	78-132		2.54	30	
Trichloroethylene	48.6		"	50.0		97.2	84-123		0.785	30	
Trichlorofluoromethane	48.1		"	50.0		96.2	62-140		5.40	30	
Vinyl Chloride	34.1		"	50.0		68.2	52-130		0.468	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.5*		*"*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21311 - EPA 3546 SVOA											
Blank (BB21311-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/04/2022		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21311 - EPA 3546 SVOA											
Blank (BB21311-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/04/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.15*		"	*1.66*		*69.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.19*		"	*1.66*		*71.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.602*		"	*0.831*		*72.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.555*		"	*0.831*		*66.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.29*		"	*1.66*		*77.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.626*		"	*0.831*		*75.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21311 - EPA 3546 SVOA											
LCS (BB21311-BS1) LCS									Prepared: 02/03/2022 Analyzed: 02/07/2022		
1,1-Biphenyl	0.535	0.0416	mg/kg wet	0.831		64.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.500	0.0830	"	0.831		60.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.394	0.0416	"	0.831		47.4	17-137				
2,3,4,6-Tetrachlorophenol	0.487	0.0830	"	0.831		58.6	30-130				
2,4,5-Trichlorophenol	0.475	0.0416	"	0.831		57.2	27-118				
2,4,6-Trichlorophenol	0.442	0.0416	"	0.831		53.2	31-120				
2,4-Dichlorophenol	0.510	0.0416	"	0.831		61.4	20-127				
2,4-Dimethylphenol	0.426	0.0416	"	0.831		51.3	14-132				
2,4-Dinitrophenol	0.353	0.0830	"	0.831		42.5	10-171				
2,4-Dinitrotoluene	0.494	0.0416	"	0.831		59.5	34-131				
2,6-Dinitrotoluene	0.499	0.0416	"	0.831		60.0	31-128				
2-Chloronaphthalene	0.438	0.0416	"	0.831		52.8	31-117				
2-Chlorophenol	0.397	0.0416	"	0.831		47.8	33-113				
2-Methylnaphthalene	0.477	0.0416	"	0.831		57.4	12-138				
2-Methylphenol	0.394	0.0416	"	0.831		47.5	10-136				
2-Nitroaniline	0.451	0.0830	"	0.831		54.3	27-132				
2-Nitrophenol	0.511	0.0416	"	0.831		61.6	17-129				
3- & 4-Methylphenols	0.365	0.0416	"	0.831		43.9	29-103				
3,3-Dichlorobenzidine	0.570	0.0416	"	0.831		68.7	22-149				
3-Nitroaniline	0.389	0.0830	"	0.831		46.9	20-133				
4,6-Dinitro-2-methylphenol	0.446	0.0830	"	0.831		53.6	10-143				
4-Bromophenyl phenyl ether	0.468	0.0416	"	0.831		56.4	29-120				
4-Chloro-3-methylphenol	0.453	0.0416	"	0.831		54.6	24-129				
4-Chloroaniline	0.322	0.0416	"	0.831		38.8	10-132				
4-Chlorophenyl phenyl ether	0.461	0.0416	"	0.831		55.5	27-124				
4-Nitroaniline	0.383	0.0830	"	0.831		46.1	16-128				
4-Nitrophenol	0.443	0.0830	"	0.831		53.3	10-141				
Acenaphthene	0.432	0.0416	"	0.831		52.0	30-121				
Acenaphthylene	0.432	0.0416	"	0.831		52.0	30-115				
Acetophenone	0.452	0.0416	"	0.831		54.4	20-112				
Aniline	0.414	0.166	"	0.831		49.9	10-119				
Anthracene	0.452	0.0416	"	0.831		54.5	34-118				
Atrazine	0.602	0.0416	"	0.831		72.5	26-112				
Benzaldehyde	0.467	0.0416	"	0.831		56.2	21-100				
Benzo(a)anthracene	0.461	0.0416	"	0.831		55.5	32-122				
Benzo(a)pyrene	0.441	0.0416	"	0.831		53.1	29-133				
Benzo(b)fluoranthene	0.487	0.0416	"	0.831		58.7	25-133				
Benzo(g,h,i)perylene	0.502	0.0416	"	0.831		60.4	10-143				
Benzo(k)fluoranthene	0.456	0.0416	"	0.831		55.0	25-128				
Benzoic acid	0.302	0.0416	"	0.831		36.4	10-140				
Benzyl alcohol	0.395	0.0416	"	0.831		47.5	30-115				
Benzyl butyl phthalate	0.512	0.0416	"	0.831		61.6	26-126				
Bis(2-chloroethoxy)methane	0.403	0.0416	"	0.831		48.5	19-132				
Bis(2-chloroethyl)ether	0.354	0.0416	"	0.831		42.7	19-125				
Bis(2-chloroisopropyl)ether	0.304	0.0416	"	0.831		36.6	20-135				
Bis(2-ethylhexyl)phthalate	0.527	0.0416	"	0.831		63.4	10-155				
Caprolactam	0.593	0.0830	"	0.831		71.4	10-127				
Carbazole	0.435	0.0416	"	0.831		52.4	35-123				
Chrysene	0.441	0.0416	"	0.831		53.0	32-123				
Dibenzo(a,h)anthracene	0.554	0.0416	"	0.831		66.8	10-136				
Dibenzofuran	0.448	0.0416	"	0.831		53.9	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21311 - EPA 3546 SVOA											
LCS (BB21311-BS1) LCS									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Diethyl phthalate	0.455	0.0416	mg/kg wet	0.831		54.8	34-116				
Dimethyl phthalate	0.436	0.0416	"	0.831		52.5	35-124				
Di-n-butyl phthalate	0.452	0.0416	"	0.831		54.4	31-116				
Di-n-octyl phthalate	0.569	0.0416	"	0.831		68.5	26-136				
Diphenylamine	0.515	0.0830	"	0.831		62.0	40-140				
Fluoranthene	0.447	0.0416	"	0.831		53.8	33-122				
Fluorene	0.415	0.0416	"	0.831		50.0	29-123				
Hexachlorobenzene	0.461	0.0416	"	0.831		55.5	21-124				
Hexachlorobutadiene	0.509	0.0416	"	0.831		61.2	10-149				
Hexachlorocyclopentadiene	0.387	0.0416	"	0.831		46.6	10-129				
Hexachloroethane	0.392	0.0416	"	0.831		47.2	28-108				
Indeno(1,2,3-cd)pyrene	0.492	0.0416	"	0.831		59.3	10-135				
Isophorone	0.412	0.0416	"	0.831		49.6	20-132				
Naphthalene	0.460	0.0416	"	0.831		55.4	23-124				
Nitrobenzene	0.462	0.0416	"	0.831		55.6	13-132				
N-Nitrosodimethylamine	0.748	0.0416	"	0.831		90.1	11-129				
N-nitroso-di-n-propylamine	0.355	0.0416	"	0.831		42.8	24-119				
N-Nitrosodiphenylamine	0.508	0.0416	"	0.831		61.2	22-152				
Pentachlorophenol	0.300	0.0416	"	0.831		36.1	10-139				
Phenanthrene	0.437	0.0416	"	0.831		52.6	33-123				
Phenol	0.366	0.0416	"	0.831		44.1	23-115				
Pyrene	0.436	0.0416	"	0.831		52.4	24-130				
Pyridine	0.649	0.166	"	0.831		78.1	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.921*		"	*1.66*		*55.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.893*		"	*1.66*		*53.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.578*		"	*0.831*		*69.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.548*		"	*0.831*		*65.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.21*		"	*1.66*		*72.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.550*		"	*0.831*		*66.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21311 - EPA 3546 SVOA

Matrix Spike (BB21311-MS1) Matrix Spike *Source sample: 22B0047-01 (Matrix Spike) Prepared: 02/03/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.502	0.0949	mg/kg dry	0.948	ND	52.9	10-130				
1,2,4,5-Tetrachlorobenzene	0.450	0.190	"	0.948	ND	47.4	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.384	0.0949	"	0.948	ND	40.5	10-144				
2,3,4,6-Tetrachlorophenol	0.488	0.190	"	0.948	ND	51.4	30-130				
2,4,5-Trichlorophenol	0.464	0.0949	"	0.948	ND	49.0	10-127				
2,4,6-Trichlorophenol	0.461	0.0949	"	0.948	ND	48.6	10-132				
2,4-Dichlorophenol	0.475	0.0949	"	0.948	ND	50.1	10-128				
2,4-Dimethylphenol	0.456	0.0949	"	0.948	ND	48.1	10-137				
2,4-Dinitrophenol	ND	0.190	"	0.948	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.492	0.0949	"	0.948	ND	51.8	16-135				
2,6-Dinitrotoluene	0.477	0.0949	"	0.948	ND	50.2	18-131				
2-Chloronaphthalene	0.429	0.0949	"	0.948	ND	45.2	10-129				
2-Chlorophenol	0.416	0.0949	"	0.948	ND	43.8	15-116				
2-Methylnaphthalene	0.460	0.0949	"	0.948	ND	48.5	10-147				
2-Methylphenol	0.414	0.0949	"	0.948	ND	43.6	10-136				
2-Nitroaniline	0.457	0.190	"	0.948	ND	48.2	10-137				
2-Nitrophenol	0.499	0.0949	"	0.948	ND	52.6	10-129				
3- & 4-Methylphenols	0.372	0.0949	"	0.948	ND	39.2	10-123				
3,3-Dichlorobenzidine	0.684	0.0949	"	0.948	ND	72.1	10-155				
3-Nitroaniline	0.412	0.190	"	0.948	ND	43.4	12-133				
4,6-Dinitro-2-methylphenol	0.141	0.190	"	0.948	ND	14.9	10-155				
4-Bromophenyl phenyl ether	0.439	0.0949	"	0.948	ND	46.2	14-128				
4-Chloro-3-methylphenol	0.464	0.0949	"	0.948	ND	49.0	10-134				
4-Chloroaniline	0.313	0.0949	"	0.948	ND	33.0	10-145				
4-Chlorophenyl phenyl ether	0.439	0.0949	"	0.948	ND	46.2	14-130				
4-Nitroaniline	0.420	0.190	"	0.948	ND	44.3	10-147				
4-Nitrophenol	0.407	0.190	"	0.948	ND	43.0	10-137				
Acenaphthene	0.445	0.0949	"	0.948	ND	46.9	10-146				
Acenaphthylene	0.415	0.0949	"	0.948	ND	43.8	10-134				
Acetophenone	0.429	0.0949	"	0.948	ND	45.3	10-116				
Aniline	0.432	0.380	"	0.948	ND	45.5	10-123				
Anthracene	0.452	0.0949	"	0.948	ND	47.7	10-142				
Atrazine	0.540	0.0949	"	0.948	ND	57.0	19-115				
Benzaldehyde	0.458	0.0949	"	0.948	ND	48.2	10-125				
Benzo(a)anthracene	0.483	0.0949	"	0.948	ND	50.9	10-158				
Benzo(a)pyrene	0.519	0.0949	"	0.948	ND	54.7	10-180				
Benzo(b)fluoranthene	0.520	0.0949	"	0.948	ND	54.8	10-200				
Benzo(g,h,i)perylene	0.562	0.0949	"	0.948	ND	59.3	10-138				
Benzo(k)fluoranthene	0.474	0.0949	"	0.948	ND	50.0	10-197				
Benzoic acid	0.140	0.0949	"	0.948	ND	14.7	10-166				
Benzyl alcohol	0.403	0.0949	"	0.948	ND	42.5	12-124				
Benzyl butyl phthalate	0.504	0.0949	"	0.948	ND	53.1	10-154				
Bis(2-chloroethoxy)methane	0.417	0.0949	"	0.948	ND	44.0	10-132				
Bis(2-chloroethyl)ether	0.376	0.0949	"	0.948	ND	39.6	10-119				
Bis(2-chloroisopropyl)ether	0.342	0.0949	"	0.948	ND	36.1	10-139				
Bis(2-ethylhexyl)phthalate	0.528	0.0949	"	0.948	ND	55.7	10-167				
Caprolactam	0.487	0.190	"	0.948	ND	51.4	10-132				
Carbazole	0.404	0.0949	"	0.948	ND	42.6	10-167				
Chrysene	0.410	0.0949	"	0.948	ND	43.2	10-156				
Dibenzo(a,h)anthracene	0.579	0.0949	"	0.948	ND	61.0	10-137				
Dibenzofuran	0.442	0.0949	"	0.948	ND	46.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21311 - EPA 3546 SVOA											
Matrix Spike (BB21311-MS1) Matrix Spike	*Source sample: 22B0047-01 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022		
Diethyl phthalate	0.463	0.0949	mg/kg dry	0.948	ND	48.8	20-120				
Dimethyl phthalate	0.451	0.0949	"	0.948	ND	47.6	18-131				
Di-n-butyl phthalate	0.445	0.0949	"	0.948	ND	46.9	10-137				
Di-n-octyl phthalate	0.554	0.0949	"	0.948	ND	58.4	10-180				
Diphenylamine	0.486	0.190	"	0.948	ND	51.2	40-140				
Fluoranthene	0.400	0.0949	"	0.948	ND	42.2	10-160				
Fluorene	0.428	0.0949	"	0.948	ND	45.1	10-157				
Hexachlorobenzene	0.446	0.0949	"	0.948	ND	47.0	10-137				
Hexachlorobutadiene	0.531	0.0949	"	0.948	ND	56.0	10-132				
Hexachlorocyclopentadiene	0.102	0.0949	"	0.948	ND	10.8	10-106				
Hexachloroethane	0.393	0.0949	"	0.948	ND	41.4	10-110				
Indeno(1,2,3-cd)pyrene	0.583	0.0949	"	0.948	ND	61.4	10-144				
Isophorone	0.448	0.0949	"	0.948	ND	47.3	10-132				
Naphthalene	0.437	0.0949	"	0.948	ND	46.1	10-141				
Nitrobenzene	0.448	0.0949	"	0.948	ND	47.2	10-131				
N-Nitrosodimethylamine	0.785	0.0949	"	0.948	ND	82.8	10-126				
N-nitroso-di-n-propylamine	0.370	0.0949	"	0.948	ND	39.0	10-125				
N-Nitrosodiphenylamine	0.500	0.0949	"	0.948	ND	52.7	10-177				
Pentachlorophenol	0.247	0.0949	"	0.948	ND	26.1	10-153				
Phenanthrene	0.436	0.0949	"	0.948	ND	45.9	10-148				
Phenol	0.377	0.0949	"	0.948	ND	39.8	10-126				
Pyrene	0.456	0.0949	"	0.948	ND	48.1	10-165				
Pyridine	0.734	0.380	"	0.948	ND	77.4	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.03*		"	*1.90*		*54.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.935*		"	*1.90*		*49.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.571*		"	*0.948*		*60.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.525*		"	*0.948*		*55.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.25*		"	*1.90*		*65.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.561*		"	*0.948*		*59.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21276 - EPA 3550C											
Blank (BB21276-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/03/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*248*		*"*	*495*		*50.0*	*39-127.5*				
LCS (BB21276-BS1) LCS									Prepared: 02/02/2022 Analyzed: 02/03/2022		
1,4-Dioxane	587	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*39-127.5*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21186 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21186-BLK1) Blank									Prepared: 02/01/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.224	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.224	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.224	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.224	"								
Perfluorooctanoic acid (PFOA)	ND	0.224	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.224	"								
Perfluorononanoic acid (PFNA)	ND	0.224	"								
Perfluorodecanoic acid (PFDA)	ND	0.224	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.224	"								
Perfluorododecanoic acid (PFDoA)	ND	0.224	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.224	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.224	"								
N-MeFOSAA	ND	0.224	"								
N-EtFOSAA	ND	0.224	"								
Perfluoropentanoic acid (PFPeA)	ND	0.224	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.224	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.224	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.224	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.224	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.224	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.224	"								
Surrogate: M3PFBS	*3.26*		"	*4.16*		*78.3*	*25-150*				
Surrogate: M5PFHxA	*3.89*		"	*4.48*		*86.8*	*25-150*				
Surrogate: M4PFHpA	*3.96*		"	*4.48*		*88.4*	*25-150*				
Surrogate: M3PFHxS	*3.96*		"	*4.24*		*93.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.45*		"	*4.48*		*77.0*	*25-150*				
Surrogate: M6PFDA	*3.54*		"	*4.48*		*79.1*	*25-150*				
Surrogate: M7PFUdA	*3.21*		"	*4.48*		*71.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.68*		"	*4.48*		*59.8*	*25-150*				
Surrogate: M2PFTeDA	*2.45*		"	*4.48*		*54.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.56*		"	*4.48*		*79.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*2.91*		"	*4.28*		*67.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.60*		"	*4.48*		*80.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.61*		"	*4.48*		*58.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.72*		"	*4.48*		*60.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.10*		"	*4.48*		*69.2*	*25-150*				
Surrogate: M2-6:2 FTS	*3.33*		"	*4.25*		*78.3*	*25-200*				
Surrogate: M2-8:2 FTS	*2.08*		"	*4.29*		*48.4*	*25-200*				
Surrogate: M9PFNA	*3.29*		"	*4.48*		*73.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21186 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB21186-BS1) LCS — Prepared: 02/01/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.16	0.242	ug/kg wet	4.29		97.0	50-130				
Perfluorohexanoic acid (PFHxA)	4.65	0.242	"	4.84		96.0	50-130				
Perfluoroheptanoic acid (PFHpA)	4.86	0.242	"	4.84		100	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.14	0.242	"	4.41		94.0	50-130				
Perfluorooctanoic acid (PFOA)	5.04	0.242	"	4.84		104	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.54	0.242	"	4.48		101	50-130				
Perfluorononanoic acid (PFNA)	5.50	0.242	"	4.84		114	50-130				
Perfluorodecanoic acid (PFDA)	4.52	0.242	"	4.84		93.2	50-130				
Perfluoroundecanoic acid (PFUnA)	4.72	0.242	"	4.84		97.4	50-130				
Perfluorododecanoic acid (PFDoA)	4.57	0.242	"	4.84		94.3	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.74	0.242	"	4.84		97.9	50-130				
Perfluorotetradecanoic acid (PFTA)	3.59	0.242	"	4.84		74.1	50-130				
N-MeFOSAA	5.10	0.242	"	4.84		105	50-130				
N-EtFOSAA	5.48	0.242	"	4.84		113	50-130				
Perfluoropentanoic acid (PFPeA)	4.43	0.242	"	4.84		91.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.35	0.242	"	4.84		89.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.58	0.242	"	4.63		99.1	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.99	0.242	"	4.68		85.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.72	0.242	"	4.60		146	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.14	0.242	"	4.65		110	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.89	0.242	"	4.84		101	50-130				
Surrogate: M3PFBS	*3.78*		*"*	*4.50*		*84.0*	*25-150*				
Surrogate: M5PFHxA	*4.28*		*"*	*4.84*		*88.4*	*25-150*				
Surrogate: M4PFHpA	*4.13*		*"*	*4.84*		*85.2*	*25-150*				
Surrogate: M3PFHxS	*3.93*		*"*	*4.58*		*85.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.24*		*"*	*4.84*		*87.5*	*25-150*				
Surrogate: M6PFDA	*3.96*		*"*	*4.84*		*81.8*	*25-150*				
Surrogate: M7PFUdA	*3.51*		*"*	*4.84*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.07*		*"*	*4.84*		*63.3*	*25-150*				
Surrogate: M2PFTeDA	*3.63*		*"*	*4.84*		*75.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.84*		*"*	*4.84*		*79.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.65*		*"*	*4.64*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.19*		*"*	*4.84*		*86.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.45*		*"*	*4.84*		*50.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.18*		*"*	*4.84*		*65.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.96*		*"*	*4.84*		*61.1*	*25-150*				
Surrogate: M2-6:2 FTS	*3.04*		*"*	*4.60*		*66.1*	*25-200*				
Surrogate: M2-8:2 FTS	*3.62*		*"*	*4.64*		*78.0*	*25-200*				
Surrogate: M9PFNA	*3.82*		*"*	*4.84*		*78.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21186 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21186-MS1) Matrix Spike *Source sample: 22A1165-01 (Matrix Spike) Prepared: 02/01/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.52	0.260	ug/kg dry	4.60	ND	98.3	25-150				
Perfluorohexanoic acid (PFHxA)	5.22	0.260	"	5.20	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	5.24	0.260	"	5.20	ND	101	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.19	0.260	"	4.73	ND	88.6	25-150				
Perfluorooctanoic acid (PFOA)	6.23	0.260	"	5.20	ND	120	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.64	0.260	"	4.81	ND	96.6	25-150				
Perfluorononanoic acid (PFNA)	5.55	0.260	"	5.20	ND	107	25-150				
Perfluorodecanoic acid (PFDA)	5.02	0.260	"	5.20	ND	96.6	25-150				
Perfluoroundecanoic acid (PFUnA)	4.52	0.260	"	5.20	ND	87.1	25-150				
Perfluorododecanoic acid (PFDoA)	5.22	0.260	"	5.20	ND	100	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.18	0.260	"	5.20	ND	99.7	25-150				
Perfluorotetradecanoic acid (PFTA)	4.83	0.260	"	5.20	ND	93.0	25-150				
N-MeFOSAA	5.13	0.260	"	5.20	ND	98.6	25-150				
N-EtFOSAA	5.30	0.260	"	5.20	ND	102	25-150				
Perfluoropentanoic acid (PFPeA)	4.95	0.260	"	5.20	ND	95.3	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.18	0.260	"	5.20	ND	99.8	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.60	0.260	"	4.96	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.52	0.260	"	5.01	ND	70.2	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.99	0.260	"	4.94	ND	101	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.77	0.260	"	4.99	ND	95.6	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.33	0.260	"	5.20	ND	103	25-150				
Surrogate: M3PFBS	*3.78*		*"*	*4.83*		*78.3*	*25-150*				
Surrogate: M5PFHxA	*4.23*		*"*	*5.20*		*81.4*	*25-150*				
Surrogate: M4PFHpA	*4.39*		*"*	*5.20*		*84.4*	*25-150*				
Surrogate: M3PFHxS	*4.26*		*"*	*4.92*		*86.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.90*		*"*	*5.20*		*75.0*	*25-150*				
Surrogate: M6PFDA	*3.77*		*"*	*5.20*		*72.5*	*25-150*				
Surrogate: M7PFUdA	*3.06*		*"*	*5.20*		*59.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.79*		*"*	*5.20*		*53.6*	*25-150*				
Surrogate: M2PFTeDA	*3.26*		*"*	*5.20*		*62.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.09*		*"*	*5.20*		*78.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.43*		*"*	*4.97*		*69.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.35*		*"*	*5.20*		*83.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.84*		*"*	*5.20*		*54.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.87*		*"*	*5.20*		*55.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.66*		*"*	*5.20*		*51.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.69*		*"*	*4.93*		*95.1*	*25-200*				
Surrogate: M2-8:2 FTS	*3.00*		*"*	*4.98*		*60.2*	*25-200*				
Surrogate: M9PFNA	*3.87*		*"*	*5.20*		*74.4*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21186 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21186-M Matrix Spike Dup	*Source sample: 22A1165-01 (Matrix Spike Dup)								Prepared: 02/01/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	5.19	0.271	ug/kg dry	4.79	ND	108	25-150		13.9	35	
Perfluorohexanoic acid (PFHxA)	5.84	0.271	"	5.41	ND	108	25-150		11.2	35	
Perfluoroheptanoic acid (PFHpA)	5.20	0.271	"	5.41	ND	95.9	25-150		0.771	35	
Perfluorohexanesulfonic acid (PFHxS)	4.20	0.271	"	4.93	ND	85.3	25-150		0.386	35	
Perfluorooctanoic acid (PFOA)	6.26	0.271	"	5.41	ND	116	25-150		0.479	35	
Perfluorooctanesulfonic acid (PFOS)	5.15	0.271	"	5.01	ND	103	25-150		10.3	35	
Perfluorononanoic acid (PFNA)	5.53	0.271	"	5.41	ND	102	25-150		0.413	35	
Perfluorodecanoic acid (PFDA)	6.27	0.271	"	5.41	ND	116	25-150		22.2	35	
Perfluoroundecanoic acid (PFUnA)	4.82	0.271	"	5.41	ND	89.0	25-150		6.29	35	
Perfluorododecanoic acid (PFDoA)	5.37	0.271	"	5.41	ND	99.1	25-150		2.78	35	
Perfluorotridecanoic acid (PFTrDA)	5.04	0.271	"	5.41	ND	93.0	25-150		2.81	35	
Perfluorotetradecanoic acid (PFTA)	5.68	0.271	"	5.41	ND	105	25-150		16.2	35	
N-MeFOSAA	6.44	0.271	"	5.41	ND	119	25-150		22.7	35	
N-EtFOSAA	5.29	0.271	"	5.41	ND	97.6	25-150		0.277	35	
Perfluoropentanoic acid (PFPeA)	4.90	0.271	"	5.41	ND	90.4	25-150		1.09	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.86	0.271	"	5.41	ND	89.7	25-150		6.51	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.47	0.271	"	5.17	ND	106	25-150		2.38	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.40	0.271	"	5.23	ND	84.1	25-150		22.1	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.16	0.271	"	5.14	ND	100	25-200		3.46	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.53	0.271	"	5.20	ND	106	25-200		14.8	35	
Perfluoro-n-butanoic acid (PFBA)	5.56	0.271	"	5.41	ND	103	25-150		4.24	35	
Surrogate: M3PFBS	*3.92*		*"*	*5.03*		*78.0*	*25-150*				
Surrogate: M5PFHxA	*4.72*		*"*	*5.41*		*87.2*	*25-150*				
Surrogate: M4PFHpA	*5.00*		*"*	*5.41*		*92.4*	*25-150*				
Surrogate: M3PFHxS	*4.81*		*"*	*5.12*		*93.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.22*		*"*	*5.41*		*78.0*	*25-150*				
Surrogate: M6PFDA	*3.90*		*"*	*5.41*		*72.1*	*25-150*				
Surrogate: M7PFUdA	*3.66*		*"*	*5.41*		*67.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.11*		*"*	*5.41*		*57.5*	*25-150*				
Surrogate: M2PFTeDA	*2.93*		*"*	*5.41*		*54.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.44*		*"*	*5.41*		*82.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.60*		*"*	*5.18*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.74*		*"*	*5.41*		*87.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.06*		*"*	*5.41*		*56.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.07*		*"*	*5.41*		*56.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.40*		*"*	*5.41*		*62.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.96*		*"*	*5.14*		*77.1*	*25-200*				
Surrogate: M2-8:2 FTS	*4.15*		*"*	*5.19*		*79.9*	*25-200*				
Surrogate: M9PFNA	*4.24*		*"*	*5.41*		*78.2*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21282 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21282-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*69.9*		"	*74.3*		*94.1*	*25-150*				
Surrogate: M5PFHxA	*82.4*		"	*80.0*		*103*	*25-150*				
Surrogate: M4PFHpA	*80.2*		"	*80.0*		*100*	*25-150*				
Surrogate: M3PFHxS	*80.2*		"	*75.7*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.4*		"	*80.0*		*112*	*25-150*				
Surrogate: M6PFDA	*85.8*		"	*80.0*		*107*	*25-150*				
Surrogate: M7PFUdA	*78.8*		"	*80.0*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.8*		"	*80.0*		*76.0*	*25-150*				
Surrogate: M2PFTeDA	*53.2*		"	*80.0*		*66.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*73.4*		"	*80.0*		*91.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.9*		"	*76.6*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1*		"	*80.0*		*96.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.5*		"	*80.0*		*45.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.6*		"	*80.0*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*89.0*		"	*80.0*		*111*	*25-150*				
Surrogate: M2-6:2 FTS	*72.7*		"	*75.9*		*95.8*	*25-200*				
Surrogate: M2-8:2 FTS	*86.0*		"	*76.6*		*112*	*25-200*				
Surrogate: M9PFNA	*82.7*		"	*80.0*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21282 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21282-BS1) LCS									Prepared: 02/02/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	71.1	2.00	ng/L	70.8		100	50-130				
Perfluorohexanoic acid (PFHxA)	81.2	2.00	"	80.0		102	50-130				
Perfluoroheptanoic acid (PFHpA)	84.0	2.00	"	80.0		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.7	2.00	"	72.8		91.7	50-130				
Perfluorooctanoic acid (PFOA)	87.9	2.00	"	80.0		110	50-130				
Perfluorooctanesulfonic acid (PFOS)	78.7	2.00	"	74.0		106	50-130				
Perfluorononanoic acid (PFNA)	83.7	2.00	"	80.0		105	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	75.3	2.00	"	80.0		94.1	50-130				
Perfluorododecanoic acid (PFDoA)	81.7	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTrDA)	67.8	2.00	"	80.0		84.7	50-130				
Perfluorotetradecanoic acid (PFTA)	78.4	2.00	"	80.0		98.0	50-130				
N-MeFOSAA	80.3	2.00	"	80.0		100	50-130				
N-EtFOSAA	80.4	2.00	"	80.0		100	50-130				
Perfluoropentanoic acid (PFPeA)	78.5	2.00	"	80.0		98.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	79.1	2.00	"	80.0		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	72.5	2.00	"	76.4		94.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	64.2	2.00	"	77.2		83.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	69.5	5.00	"	76.0		91.4	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	81.9	2.00	"	76.8		107	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.0	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	*73.6*		*"*	*74.3*		*99.0*	*25-150*				
Surrogate: M5PFHxA	*86.3*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M4PFHpA	*83.2*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*86.2*		*"*	*75.7*		*114*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.1*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*83.1*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*78.9*		*"*	*80.0*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.9*		*"*	*80.0*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*35.9*		*"*	*80.0*		*44.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.2*		*"*	*80.0*		*98.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.9*		*"*	*76.6*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.6*		*"*	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.5*		*"*	*80.0*		*31.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*68.1*		*"*	*80.0*		*85.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: M2-6:2 FTS	*89.5*		*"*	*75.9*		*118*	*25-200*				
Surrogate: M2-8:2 FTS	*74.1*		*"*	*76.6*		*96.7*	*25-200*				
Surrogate: M9PFNA	*82.3*		*"*	*80.0*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB21282-MS1) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	78.0	1.95	ng/L	69.1	7.42	102	25-150				
Perfluorohexanoic acid (PFHxA)	96.9	1.95	"	78.1	15.8	104	25-150				
Perfluoroheptanoic acid (PFHpA)	126	1.95	"	78.1	16.2	140	25-150				
Perfluorohexanesulfonic acid (PFHxS)	58.9	1.95	"	71.1	2.76	78.9	25-150				
Perfluorooctanoic acid (PFOA)	81.4	1.95	"	78.1	15.2	84.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	119	1.95	"	72.3	25.4	129	25-150				
Perfluorononanoic acid (PFNA)	83.5	1.95	"	78.1	3.57	102	25-150				
Perfluorodecanoic acid (PFDA)	74.6	1.95	"	78.1	ND	95.5	25-150				
Perfluoroundecanoic acid (PFUnA)	72.9	1.95	"	78.1	ND	93.3	25-150				
Perfluorododecanoic acid (PFDoA)	77.7	1.95	"	78.1	ND	99.5	25-150				
Perfluorotridecanoic acid (PFTrDA)	74.4	1.95	"	78.1	ND	95.2	25-150				
Perfluorotetradecanoic acid (PFTA)	77.6	1.95	"	78.1	ND	99.4	25-150				
N-MeFOSAA	83.4	1.95	"	78.1	ND	107	25-150				
N-EtFOSAA	71.8	1.95	"	78.1	ND	91.9	25-150				
Perfluoropentanoic acid (PFPeA)	92.9	1.95	"	78.1	11.8	104	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	94.4	1.95	"	78.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	103	1.95	"	74.6	ND	139	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	69.3	1.95	"	75.4	ND	91.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.4	4.88	"	74.2	ND	90.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	74.9	1.95	"	75.0	ND	99.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	97.9	1.95	"	78.1	20.2	99.5	25-150				
Surrogate: M3PFBS	*49.7*		"	*72.6*		*68.5*	*25-150*				
Surrogate: M5PFHxA	*62.5*		"	*78.1*		*80.0*	*25-150*				
Surrogate: M4PFHpA	*43.5*		"	*78.1*		*55.7*	*25-150*				
Surrogate: M3PFHxS	*65.5*		"	*73.9*		*88.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.5*		"	*78.1*		*100*	*25-150*				
Surrogate: M6PFDA	*69.0*		"	*78.1*		*88.3*	*25-150*				
Surrogate: M7PFUdA	*55.9*		"	*78.1*		*71.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*51.9*		"	*78.1*		*66.5*	*25-150*				
Surrogate: M2PFTeDA	*43.0*		"	*78.1*		*55.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*49.2*		"	*78.1*		*62.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*53.0*		"	*74.8*		*70.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*59.6*		"	*78.1*		*76.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.53*		"	*78.1*		*3.24*	*10-150*				
Surrogate: d3-N-MeFOSAA	*58.4*		"	*78.1*		*74.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.8*		"	*78.1*		*76.5*	*25-150*				
Surrogate: M2-6:2 FTS	*96.3*		"	*74.1*		*130*	*25-200*				
Surrogate: M2-8:2 FTS	*79.3*		"	*74.8*		*106*	*25-200*				
Surrogate: M9PFNA	*64.8*		"	*78.1*		*82.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BB21282-M Matrix Spike Dup *Source sample: 22B0034-09 (Matrix Spike Dup) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	78.7	2.12	ng/L	75.0	7.42	95.0	25-150		0.891	35	
Perfluorohexanoic acid (PFHxA)	96.6	2.12	"	84.7	15.8	95.3	25-150		0.383	35	
Perfluoroheptanoic acid (PFHpA)	131	2.12	"	84.7	16.2	135	25-150		3.94	35	
Perfluorohexanesulfonic acid (PFHxS)	65.3	2.12	"	77.1	2.76	81.0	25-150		10.3	35	
Perfluorooctanoic acid (PFOA)	84.0	2.12	"	84.7	15.2	81.2	25-150		3.15	35	
Perfluorooctanesulfonic acid (PFOS)	118	2.12	"	78.4	25.4	118	25-150		0.542	35	
Perfluorononanoic acid (PFNA)	83.2	2.12	"	84.7	3.57	94.0	25-150		0.324	35	
Perfluorodecanoic acid (PFDA)	80.6	2.12	"	84.7	ND	95.2	25-150		7.77	35	
Perfluoroundecanoic acid (PFUnA)	79.0	2.12	"	84.7	ND	93.2	25-150		8.08	35	
Perfluorododecanoic acid (PFDoA)	84.0	2.12	"	84.7	ND	99.1	25-150		7.72	35	
Perfluorotridecanoic acid (PFTrDA)	74.0	2.12	"	84.7	ND	87.3	25-150		0.493	35	
Perfluorotetradecanoic acid (PFTA)	78.5	2.12	"	84.7	ND	92.6	25-150		1.07	35	
N-MeFOSAA	81.0	2.12	"	84.7	ND	95.6	25-150		2.95	35	
N-EtFOSAA	76.4	2.12	"	84.7	ND	90.2	25-150		6.21	35	
Perfluoropentanoic acid (PFPeA)	108	2.12	"	84.7	11.8	113	25-150		14.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	88.9	2.12	"	84.7	ND	105	25-150		6.03	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	114	2.12	"	80.9	ND	140	25-150		9.48	35	
Perfluoro-1-decanesulfonic acid (PFDS)	77.9	2.12	"	81.8	ND	95.2	25-150		11.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	80.5	5.30	"	80.5	ND	100	25-200		17.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	83.5	2.12	"	81.4	ND	103	25-200		10.9	35	
Perfluoro-n-butanoic acid (PFBA)	109	2.12	"	84.7	20.2	105	25-150		11.1	35	
Surrogate: M3PFBS	*62.3*		"	*78.7*		*79.2*	*25-150*				
Surrogate: M5PFHxA	*78.0*		"	*84.7*		*92.0*	*25-150*				
Surrogate: M4PFHpA	*52.9*		"	*84.7*		*62.4*	*25-150*				
Surrogate: M3PFHxS	*78.0*		"	*80.2*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*92.8*		"	*84.7*		*109*	*25-150*				
Surrogate: M6PFDA	*76.0*		"	*84.7*		*89.7*	*25-150*				
Surrogate: M7PFUdA	*64.0*		"	*84.7*		*75.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.4*		"	*84.7*		*68.9*	*25-150*				
Surrogate: M2PFTeDA	*44.7*		"	*84.7*		*52.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.0*		"	*84.7*		*69.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.8*		"	*81.1*		*78.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.9*		"	*84.7*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.33*		"	*84.7*		*3.94*	*10-150*				
Surrogate: d3-N-MeFOSAA	*72.3*		"	*84.7*		*85.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.1*		"	*84.7*		*79.2*	*25-150*				
Surrogate: M2-6:2 FTS	*110*		"	*80.4*		*137*	*25-200*				
Surrogate: M2-8:2 FTS	*84.2*		"	*81.2*		*104*	*25-200*				
Surrogate: M9PFNA	*76.3*		"	*84.7*		*90.0*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21238 - EPA 3550C											
Blank (BB21238-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/03/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0423*		*"*	*0.0664*		*63.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0463*		*"*	*0.0664*		*69.7*	*30-150*				
LCS (BB21238-BS1) LCS									Prepared: 02/02/2022 Analyzed: 02/03/2022		
4,4'-DDD	0.0251	0.00164	mg/kg wet	0.0332		75.6	40-140				
4,4'-DDE	0.0255	0.00164	"	0.0332		76.6	40-140				
4,4'-DDT	0.0181	0.00164	"	0.0332		54.3	40-140				
Aldrin	0.0425	0.00164	"	0.0332		128	40-140				
alpha-BHC	0.0414	0.00164	"	0.0332		125	40-140				
alpha-Chlordane	0.0399	0.00164	"	0.0332		120	40-140				
beta-BHC	0.0397	0.00164	"	0.0332		119	40-140				
delta-BHC	0.0360	0.00164	"	0.0332		108	40-140				
Dieldrin	0.0414	0.00164	"	0.0332		124	40-140				
Endosulfan I	0.0456	0.00164	"	0.0332		137	40-140				
Endosulfan II	0.0448	0.00164	"	0.0332		135	40-140				
Endosulfan sulfate	0.0374	0.00164	"	0.0332		113	40-140				
Endrin	0.0164	0.00164	"	0.0332		49.5	40-140				
Endrin aldehyde	0.0387	0.00164	"	0.0332		117	40-140				
Endrin ketone	0.0386	0.00164	"	0.0332		116	40-140				
gamma-BHC (Lindane)	0.0372	0.00164	"	0.0332		112	40-140				
gamma-Chlordane	0.0399	0.00164	"	0.0332		120	40-140				
Heptachlor	0.0272	0.00164	"	0.0332		81.8	40-140				
Heptachlor epoxide	0.0407	0.00164	"	0.0332		123	40-140				
Methoxychlor	0.0479	0.00164	"	0.0332		144	40-140	High Bias			
Surrogate: Decachlorobiphenyl	*0.0600*		*"*	*0.0664*		*90.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0661*		*"*	*0.0664*		*99.4*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21312 - EPA 3550C											
Blank (BB21312-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/04/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0376*		*"*	*0.0664*		*56.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0467*		*"*	*0.0664*		*70.3*	*30-150*				
LCS (BB21312-BS1) LCS									Prepared: 02/03/2022 Analyzed: 02/04/2022		
4,4'-DDD	0.0273	0.00164	mg/kg wet	0.0332		82.2	40-140				
4,4'-DDE	0.0257	0.00164	"	0.0332		77.4	40-140				
4,4'-DDT	0.0205	0.00164	"	0.0332		61.7	40-140				
Aldrin	0.0328	0.00164	"	0.0332		98.7	40-140				
alpha-BHC	0.0337	0.00164	"	0.0332		101	40-140				
alpha-Chlordane	0.0309	0.00164	"	0.0332		92.9	40-140				
beta-BHC	0.0338	0.00164	"	0.0332		102	40-140				
delta-BHC	0.0323	0.00164	"	0.0332		97.3	40-140				
Dieldrin	0.0299	0.00164	"	0.0332		90.1	40-140				
Endosulfan I	0.0323	0.00164	"	0.0332		97.3	40-140				
Endosulfan II	0.0295	0.00164	"	0.0332		88.8	40-140				
Endosulfan sulfate	0.0267	0.00164	"	0.0332		80.5	40-140				
Endrin	0.0251	0.00164	"	0.0332		75.5	40-140				
Endrin aldehyde	0.0242	0.00164	"	0.0332		73.0	40-140				
Endrin ketone	0.0321	0.00164	"	0.0332		96.6	40-140				
gamma-BHC (Lindane)	0.0333	0.00164	"	0.0332		100	40-140				
gamma-Chlordane	0.0320	0.00164	"	0.0332		96.3	40-140				
Heptachlor	0.0270	0.00164	"	0.0332		81.2	40-140				
Heptachlor epoxide	0.0322	0.00164	"	0.0332		97.1	40-140				
Methoxychlor	0.0202	0.00164	"	0.0332		60.8	40-140				
Surrogate: Decachlorobiphenyl	*0.0424*		*"*	*0.0664*		*63.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0451*		*"*	*0.0664*		*67.8*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21312 - EPA 3550C											
Matrix Spike (BB21312-MS1) Matrix Spike	*Source sample: 22A1231-02 (Matrix Spike)										Prepared: 02/03/2022 Analyzed: 02/04/2022
4,4'-DDD	0.0298	0.00172	mg/kg dry	0.0347	ND	85.8	30-150				
4,4'-DDE	0.0275	0.00172	"	0.0347	ND	79.2	30-150				
4,4'-DDT	0.0237	0.00172	"	0.0347	ND	68.2	30-150				
Aldrin	0.0342	0.00172	"	0.0347	ND	98.4	30-150				
alpha-BHC	0.0377	0.00172	"	0.0347	ND	108	30-150				
alpha-Chlordane	0.0327	0.00172	"	0.0347	ND	94.1	30-150				
beta-BHC	0.0368	0.00172	"	0.0347	ND	106	30-150				
delta-BHC	0.0366	0.00172	"	0.0347	ND	105	30-150				
Dieldrin	0.0323	0.00172	"	0.0347	ND	93.1	30-150				
Endosulfan I	0.0339	0.00172	"	0.0347	ND	97.5	30-150				
Endosulfan II	0.0332	0.00172	"	0.0347	ND	95.6	30-150				
Endosulfan sulfate	0.0287	0.00172	"	0.0347	ND	82.6	30-150				
Endrin	0.0284	0.00172	"	0.0347	ND	81.8	30-150				
Endrin aldehyde	0.0264	0.00172	"	0.0347	ND	76.0	30-150				
Endrin ketone	0.0343	0.00172	"	0.0347	ND	98.8	30-150				
gamma-BHC (Lindane)	0.0376	0.00172	"	0.0347	ND	108	30-150				
gamma-Chlordane	0.0338	0.00172	"	0.0347	ND	97.2	30-150				
Heptachlor	0.0307	0.00172	"	0.0347	ND	88.4	30-150				
Heptachlor epoxide	0.0344	0.00172	"	0.0347	ND	98.9	30-150				
Methoxychlor	0.0218	0.00172	"	0.0347	ND	62.9	30-150				
Surrogate: Decachlorobiphenyl	*0.0427*		*"*	*0.0695*		*61.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0422*		*"*	*0.0695*		*60.8*	*30-150*				
Matrix Spike Dup (BB21312-M Matrix Spike Dup	*Source sample: 22A1231-02 (Matrix Spike Dup)										Prepared: 02/03/2022 Analyzed: 02/04/2022
4,4'-DDD	0.0321	0.00172	mg/kg dry	0.0347	ND	92.3	30-150		7.30	30	
4,4'-DDE	0.0301	0.00172	"	0.0347	ND	86.6	30-150		8.84	30	
4,4'-DDT	0.0250	0.00172	"	0.0347	ND	72.0	30-150		5.34	30	
Aldrin	0.0378	0.00172	"	0.0347	ND	109	30-150		10.1	30	
alpha-BHC	0.0411	0.00172	"	0.0347	ND	118	30-150		8.86	30	
alpha-Chlordane	0.0359	0.00172	"	0.0347	ND	103	30-150		9.40	30	
beta-BHC	0.0403	0.00172	"	0.0347	ND	116	30-150		8.90	30	
delta-BHC	0.0393	0.00172	"	0.0347	ND	113	30-150		7.07	30	
Dieldrin	0.0352	0.00172	"	0.0347	ND	101	30-150		8.39	30	
Endosulfan I	0.0373	0.00172	"	0.0347	ND	107	30-150		9.62	30	
Endosulfan II	0.0337	0.00172	"	0.0347	ND	97.1	30-150		1.56	30	
Endosulfan sulfate	0.0312	0.00172	"	0.0347	ND	89.9	30-150		8.50	30	
Endrin	0.0311	0.00172	"	0.0347	ND	89.4	30-150		8.89	30	
Endrin aldehyde	0.0287	0.00172	"	0.0347	ND	82.7	30-150		8.44	30	
Endrin ketone	0.0360	0.00172	"	0.0347	ND	104	30-150		4.64	30	
gamma-BHC (Lindane)	0.0407	0.00172	"	0.0347	ND	117	30-150		7.88	30	
gamma-Chlordane	0.0373	0.00172	"	0.0347	ND	107	30-150		9.96	30	
Heptachlor	0.0320	0.00172	"	0.0347	ND	92.2	30-150		4.14	30	
Heptachlor epoxide	0.0379	0.00172	"	0.0347	ND	109	30-150		9.80	30	
Methoxychlor	0.0231	0.00172	"	0.0347	ND	66.5	30-150		5.59	30	
Surrogate: Decachlorobiphenyl	*0.0449*		*"*	*0.0695*		*64.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0473*		*"*	*0.0695*		*68.1*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21238 - EPA 3550C											
Blank (BB21238-BLK2) Blank								Prepared & Analyzed: 02/02/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0322*		*"*	*0.0664*		*48.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0329*		*"*	*0.0664*		*49.5*	*30-150*				
LCS (BB21238-BS2) LCS								Prepared: 02/02/2022 Analyzed: 02/03/2022			
Aroclor 1016	0.276	0.0166	mg/kg wet	0.332		83.0	40-140			30	
Aroclor 1260	0.302	0.0166	"	0.332		91.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0415*		*"*	*0.0664*		*62.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0435*		*"*	*0.0664*		*65.5*	*30-150*				
Batch BB21312 - EPA 3550C											
Blank (BB21312-BLK2) Blank								Prepared & Analyzed: 02/03/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0621*		*"*	*0.0664*		*93.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0458*		*"*	*0.0664*		*69.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21312 - EPA 3550C											
LCS (BB21312-BS2) LCS								Prepared & Analyzed: 02/03/2022			
Aroclor 1016	0.294	0.0166	mg/kg wet	0.332		88.5	40-140			30	
Aroclor 1260	0.280	0.0166	"	0.332		84.4	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0558*		"	*0.0664*		*84.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0432*		"	*0.0664*		*65.0*	*30-150*				
Matrix Spike (BB21312-MS2) Matrix Spike *Source sample: 22A1231-02 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
Aroclor 1016	0.315	0.0174	mg/kg dry	0.347	ND	90.6	40-140			30	
Aroclor 1260	0.295	0.0174	"	0.347	ND	84.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0598*		"	*0.0695*		*86.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0462*		"	*0.0695*		*66.5*	*30-150*				
Matrix Spike Dup (BB21312-M Matrix Spike Dup *Source sample: 22A1231-02 (Matrix Spike Dup)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
Aroclor 1016	0.314	0.0174	mg/kg dry	0.347	ND	90.3	40-140		0.332	30	
Aroclor 1260	0.289	0.0174	"	0.347	ND	83.1	40-140		1.98	30	
Surrogate: Tetrachloro-m-xylene	*0.0591*		"	*0.0695*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0462*		"	*0.0695*		*66.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21350 - EPA 3550C/8151A											
Blank (BB21350-BLK1) Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.328*		*"*	*0.417*		*78.6*	*21-150*				
LCS (BB21350-BS1) LCS								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	0.0717	0.0200	mg/kg wet	0.133		53.8	10-120				
2,4,5-TP (Silvex)	0.0783	0.0200	"	0.133		58.8	10-120				
2,4-D	0.0792	0.0200	"	0.133		59.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.336*		*"*	*0.417*		*80.6*	*21-150*				
Matrix Spike (BB21350-MS1) Matrix Spike *Source sample: 22A1172-02 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias			
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias			
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias			
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0482*		*"*	*0.464*		*10.4*	*21-150*				
Matrix Spike Dup (BB21350-M Matrix Spike Dup *Source sample: 22A1172-02 (Matrix Spike Dup)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias		35	
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias		35	
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias		35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0278*		*"*	*0.464*		*6.00*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21287 - EPA 3050B											
Blank (BB21287-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/03/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	8.29	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	6.87	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	16.5	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21287-DUP1) Duplicate	*Source sample: 22A1231-02 (Duplicate)								Prepared: 02/02/2022 Analyzed: 02/03/2022		
Aluminum	5830	5.23	mg/kg dry		5380				7.97	35	
Antimony	ND	2.61	"		ND					35	
Arsenic	ND	1.57	"		ND					35	
Barium	29.2	2.61	"		29.7				1.44	35	
Beryllium	ND	0.052	"		ND					35	
Cadmium	ND	0.314	"		ND					35	
Calcium	1430	5.23	"		1430				0.144	35	
Chromium	14.4	0.523	"		13.3				7.42	35	
Cobalt	5.91	0.418	"		5.33				10.4	35	
Copper	12.5	2.09	"		11.7				6.57	35	
Iron	14500	26.1	"		16000				9.83	35	
Lead	6.89	0.523	"		7.20				4.47	35	
Magnesium	1710	5.23	"		1450				16.3	35	
Manganese	280	0.523	"		320				13.4	35	
Nickel	15.7	1.05	"		17.9				13.3	35	
Potassium	657	5.23	"		622				5.33	35	
Selenium	ND	2.61	"		ND					35	
Silver	ND	0.523	"		ND					35	
Sodium	150	52.3	"		97.4				42.5	35	Non-dir.
Thallium	ND	2.61	"		ND					35	
Vanadium	18.6	1.05	"		17.8				4.56	35	
Zinc	23.4	2.61	"		50.0				72.4	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21287 - EPA 3050B											
Matrix Spike (BB21287-MS1) Matrix Spike	*Source sample: 22A1231-02 (Matrix Spike)								Prepared: 02/02/2022 Analyzed: 02/03/2022		
Aluminum	5890	5.23	mg/kg dry	209	5380	243	75-125	High Bias			
Antimony	13.6	2.61	"	26.1	ND	51.9	75-125	Low Bias			
Arsenic	218	1.57	"	209	ND	104	75-125				
Barium	278	2.61	"	209	29.7	119	75-125				
Beryllium	5.50	0.052	"	5.23	ND	105	75-125				
Cadmium	5.75	0.314	"	5.23	ND	110	75-125				
Calcium	1150	5.23	"	105	1430	NR	75-125	Low Bias			
Chromium	35.5	0.523	"	20.9	13.3	106	75-125				
Cobalt	66.9	0.418	"	52.3	5.33	118	75-125				
Copper	42.1	2.09	"	26.1	11.7	116	75-125				
Iron	15100	26.1	"	105	16000	NR	75-125	Low Bias			
Lead	66.7	0.523	"	52.3	7.20	114	75-125				
Magnesium	1600	5.23	"	105	1450	139	75-125	High Bias			
Manganese	325	0.523	"	52.3	320	10.3	75-125	Low Bias			
Nickel	73.2	1.05	"	52.3	17.9	106	75-125				
Potassium	800	5.23	"	105	622	170	75-125	High Bias			
Selenium	178	2.61	"	209	ND	85.0	75-125				
Silver	5.49	0.523	"	5.23	ND	105	75-125				
Sodium	241	52.3	"	105	97.4	137	75-125	High Bias			
Thallium	220	2.61	"	209	ND	105	75-125				
Vanadium	76.0	1.05	"	52.3	17.8	111	75-125				
Zinc	80.2	2.61	"	52.3	50.0	57.9	75-125	Low Bias			
Post Spike (BB21287-PS1) Post Spike	*Source sample: 22A1231-02 (Post Spike)								Prepared: 02/02/2022 Analyzed: 02/03/2022		
Aluminum	54.6		ug/mL	2.00	51.4	160	75-125	High Bias			
Antimony	0.312		"	0.250	0.021	117	75-125				
Arsenic	2.18		"	2.00	-0.018	109	75-125				
Barium	2.73		"	2.00	0.284	123	75-125				
Beryllium	0.055		"	0.0500	-0.003	111	75-125				
Cadmium	0.057		"	0.0500	-0.0003	115	75-125				
Calcium	14.8		"	1.00	13.7	108	75-125				
Chromium	0.359		"	0.200	0.128	116	75-125				
Cobalt	0.651		"	0.500	0.051	120	75-125				
Copper	0.418		"	0.250	0.112	122	75-125				
Iron	155		"	1.00	153	232	75-125	High Bias			
Lead	0.669		"	0.500	0.069	120	75-125				
Magnesium	14.9		"	1.00	13.9	106	75-125				
Manganese	3.63		"	0.500	3.06	114	75-125				
Nickel	0.737		"	0.500	0.171	113	75-125				
Potassium	7.20		"	1.00	5.95	125	75-125				
Selenium	1.80		"	2.00	-0.132	90.1	75-125				
Silver	0.050		"	0.0500	0.002	95.8	75-125				
Sodium	2.14		"	1.00	0.932	121	75-125				
Thallium	2.20		"	2.00	-0.007	110	75-125				
Vanadium	0.758		"	0.500	0.170	118	75-125				
Zinc	1.06		"	0.500	0.478	116	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21287 - EPA 3050B											
Reference (BB21287-SRM1) Reference								Prepared: 02/02/2022 Analyzed: 02/03/2022			
Aluminum	12200	5.00	mg/kg wet	8130		150	49.9-150.1				
Antimony	93.6	2.50	"	134		69.8	19.3-250				
Arsenic	189	1.50	"	156		121	69.9-130.1				
Barium	311	2.50	"	239		130	74.9-124.7	High Bias			
Beryllium	203	0.050	"	169		120	75.1-125.4				
Cadmium	163	0.300	"	137		119	75.2-124.8				
Calcium	5870	5.00	"	4760		123	72.7-127.5				
Chromium	188	0.500	"	154		122	70.1-129.9				
Cobalt	149	0.400	"	121		123	75-124.8				
Copper	72.9	2.00	"	54.9		133	74.9-125	High Bias			
Iron	18400	25.0	"	14100		131	34.9-164.5				
Lead	156	0.500	"	130		120	71.8-128.5				
Magnesium	2960	5.00	"	2320		127	62.1-137.9				
Manganese	336	0.500	"	269		125	74-126.4				
Nickel	86.8	1.00	"	53.9		161	69.9-129.9	High Bias			
Potassium	2770	5.00	"	2020		137	58.9-141.1				
Selenium	160	2.50	"	167		95.9	67.7-132.3				
Silver	40.5	0.500	"	33.6		121	68.5-131.3				
Sodium	198	50.0	"	133		149	35-165.4				
Thallium	126	2.50	"	112		113	67.9-131.3				
Vanadium	78.3	1.00	"	62.6		125	59.1-141.1				
Zinc	191	2.50	"	158		121	70.3-129.7				
Batch BB21373 - EPA 3050B											
Blank (BB21373-BLK1) Blank								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	21.5	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Reference (BB21373-SRM1) Reference								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Aluminum	10600	5.00	mg/kg wet	8130		130	49.9-150.1				
Antimony	98.2	2.50	"	134		73.2	19.3-250				
Arsenic	187	1.50	"	156		120	69.9-130.1				
Barium	310	2.50	"	239		130	74.9-124.7	High Bias			
Beryllium	199	0.050	"	169		117	75.1-125.4				
Cadmium	164	0.300	"	137		120	75.2-124.8				
Calcium	5590	5.00	"	4760		117	72.7-127.5				
Chromium	191	0.500	"	154		124	70.1-129.9				
Cobalt	152	0.400	"	121		126	75-124.8	High Bias			
Copper	71.1	2.00	"	54.9		130	74.9-125	High Bias			
Iron	18100	25.0	"	14100		129	34.9-164.5				
Lead	154	0.500	"	130		118	71.8-128.5				
Magnesium	2700	5.00	"	2320		117	62.1-137.9				
Manganese	341	0.500	"	269		127	74-126.4	High Bias			
Nickel	71.6	1.00	"	53.9		133	69.9-129.9	High Bias			
Potassium	2360	5.00	"	2020		117	58.9-141.1				
Selenium	151	2.50	"	167		90.3	67.7-132.3				
Silver	40.4	0.500	"	33.6		120	68.5-131.3				
Sodium	165	50.0	"	133		124	35-165.4				
Thallium	125	2.50	"	112		112	67.9-131.3				
Vanadium	80.0	1.00	"	62.6		128	59.1-141.1				
Zinc	195	2.50	"	158		123	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21483 - EPA 7473 soil											
Blank (BB21483-BLK1) Blank								Prepared & Analyzed: 02/07/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21483-DUP1) Duplicate	*Source sample: 22A1231-02 (Duplicate)							Prepared & Analyzed: 02/07/2022			
Mercury	ND	0.0314	mg/kg dry		ND					35	
Matrix Spike (BB21483-MS1) Matrix Spike	*Source sample: 22A1231-02 (Matrix Spike)							Prepared & Analyzed: 02/07/2022			
Mercury	0.437		mg/kg	0.500	0.00720	85.9	75-125				
Reference (BB21483-SRM1) Reference								Prepared & Analyzed: 02/07/2022			
Mercury	23.937		mg/kg	27.2		88.0	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21243 - Analysis Preparation Soil											
Blank (BB21243-BLK1) Blank								Prepared & Analyzed: 02/02/2022			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BB21243-DUP1) Duplicate	*Source sample: 22B0047-03 (Duplicate)							Prepared & Analyzed: 02/02/2022			
Cyanide, total	ND	0.591	mg/kg dry		ND					15	
Matrix Spike (BB21243-MS1) Matrix Spike	*Source sample: 22B0047-03 (Matrix Spike)							Prepared & Analyzed: 02/02/2022			
Cyanide, total	10.4	0.591	mg/kg dry	11.8	ND	88.1	79.6-107				
Reference (BB21243-SRM1) Reference								Prepared & Analyzed: 02/02/2022			
Cyanide, total	86.9		ug/mL	86.8		100	41.82-157.83				
Batch BB21252 - EPA SW846-3060											
Blank (BB21252-BLK1) Blank								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB21252-DUP1) Duplicate	*Source sample: 22B0047-01 (Duplicate)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	ND	0.575	mg/kg dry		ND					35	
Matrix Spike (BB21252-MS1) Matrix Spike	*Source sample: 22B0047-01 (Matrix Spike)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	20.6	0.575	mg/kg dry	23.0	ND	89.6	75-125				
Reference (BB21252-SRM1) Reference								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	105		mg/L	109		96.0	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21270 - % Solids Prep											
Duplicate (BB21270-DUP1) Duplicate	*Source sample: 22B0050-09 (Duplicate)							Prepared & Analyzed: 02/02/2022			
% Solids	85.2	0.100	%		88.8				4.09	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22A1238-01	EP16_7.5	40mL Vial with Stir Bar-Cool 4° C
22A1238-02	EP17_7.5	40mL Vial with Stir Bar-Cool 4° C
22A1238-03	EP18_7.5	40mL Vial with Stir Bar-Cool 4° C
22A1238-04	EP19_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
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132-02 89th Ave Queens, NY 11418
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www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22A1238

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: Langan	Company: →	170610601	RUSH - Next Day
Address: 360 West 31st Street 8th Floor, New York NY	Address: 360 West 31st Street 8th Flr, New York NY	Address: →	YOUR Project Name: 475 Big Street	RUSH - Two Day
Phone: 212-479-5400	Phone: 212 479-5400	Phone: →		RUSH - Three Day
Contact: Kim Semon	Contact: Kim Semon	Contact: →		RUSH - Four Day
E-mail: ksemon@langan.com	E-mail: KSemon@langan.com	E-mail: →	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes	Samples From		Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	✓	~~Summary Report~~ Y/N	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey		QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut		NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania		NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other			NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP16-7.5	~~Soil~~ S	1/31/2022 1430	TCL Part 375 VOCs, SVOCs, PCB, pesticide, herbicides, metals including cyanide, hexavalent chromium, PFAS, 1,4-Dioxane	Presume 8oz, 4oz
EP17-7.5	↓	1440	* Run for all Sampling	Vial set, PFAS
EP18-7.5		1450		↓
EP19-7.5		1500		
FB01-PFAS-013122	Other/AQ	1414	PFAS	

Comments: Please include lesmail@langan.com and maromine@langan.com on all correspondences.

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature] of Langan	1-31-2022 1553	[signature] NY Yorklab	1-31-22 1553	[signature] NY Yorklab	1-31-22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[signature]	2/1/22 1915	[signature]	2/1/22 1915		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
				[signature] 2/1/22 1915	1.4 Degrees C

Technical Report

prepared for:

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

Report Date: 02/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0044

Report Date: 02/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0044

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 01, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0044-01	EP07_7.5	Soil	02/01/2022	02/01/2022
22B0044-02	EP29_7.5	Soil	02/01/2022	02/01/2022
22B0044-03	EP39_7.5	Soil	02/01/2022	02/01/2022
22B0044-04	EP38_7.5	Soil	02/01/2022	02/01/2022
22B0044-05	EP37_7.5	Soil	02/01/2022	02/01/2022
22B0044-06	EP36_7.5	Soil	02/01/2022	02/01/2022
22B0044-07	FB01_PFAS_02012022	Water	02/01/2022	02/01/2022

General Notes for York Project (SDG) No.: 22B0044

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

Approved By **Date:** 02/08/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.011**		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.056**	ICV-E	mg/kg dry	0.0057	0.011	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/03/2022 06:27	02/03/2022 15:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.199	0.398	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0667**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.0873**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.0849**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**0.0555**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.0627**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	Carbazole	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.0674**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.107**		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0714**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.0960**	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*66.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*58.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*77.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*74.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.5 %*	*24-116*

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 16:10	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.8 %*	*25-150*
Surrogate: M5PFHxA	*95.9 %*	*25-150*
Surrogate: M4PFHpA	*89.6 %*	*25-150*
Surrogate: M3PFHxS	*94.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.5 %*	*25-150*
Surrogate: M6PFDA	*76.3 %*	*25-150*
Surrogate: M7PFUdA	*64.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.4 %*	*25-150*
Surrogate: M2PFTeDA	*68.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*62.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*60.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*85.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*62.7 %*	*25-200*
Surrogate: M9PFNA	*68.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 19:25	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 19:25	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 19:25	CM

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.194	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0388	5	EPA 8081B	02/04/2022 08:08	02/07/2022 19:25	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*51.4 %*	*30-150*

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:33	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*91.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:42	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:42	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:42	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*85.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12300**		mg/kg dry	5.99	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.63**		mg/kg dry	3.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.49**		mg/kg dry	1.80	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**85.2**		mg/kg dry	3.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3460**		mg/kg dry	5.99	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**53.3**		mg/kg dry	0.599	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**18.4**		mg/kg dry	0.479	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.7**		mg/kg dry	2.40	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**25600**		mg/kg dry	30.0	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**69.5**		mg/kg dry	0.599	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7140**		mg/kg dry	5.99	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**298**		mg/kg dry	0.599	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**184**		mg/kg dry	1.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**996**	B	mg/kg dry	5.99	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**249**		mg/kg dry	59.9	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**33.3**		mg/kg dry	1.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**73.1**		mg/kg dry	3.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP07_7.5 **York Sample ID:** 22B0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 8:30 am	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.165**		mg/kg dry	0.0359	1	EPA 7473	02/07/2022 21:36	02/08/2022 12:44	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**53.3**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.599	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.5**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.081	0.16	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.024	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*116 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.7 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**0.244**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	**2,4-Dimethylphenol**	**0.183**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.687**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	**2-Methylphenol**	**0.0685**	J	mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	**3- & 4-Methylphenols**	**0.304**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
83-32-9	**Acenaphthene**	**2.89**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	**Acenaphthylene**	**3.12**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-86-2	Acetophenone	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
62-53-3	Aniline	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-12-7	**Anthracene**	**22.0**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
92-87-5	Benzidine	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,PADEP			
56-55-3	**Benzo(a)anthracene**	**76.8**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**70.9**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**57.1**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**41.8**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**45.7**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	**Carbazole**	**3.19**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**63.9**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**17.1**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	**Dibenzofuran**	**2.42**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**158**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**5.39**		mg/kg dry	0.663	1.32	25	EPA 8270D	02/03/2022 13:47	02/08/2022 13:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**52.0**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**1.29**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**82.5**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	**Phenol**	**0.108**		mg/kg dry	0.0530	0.106	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**129**		mg/kg dry	2.65	5.29	100	EPA 8270D	02/03/2022 13:47	02/08/2022 13:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	02/03/2022 13:47	02/07/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*56.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*66.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*97.5 %*	*24-116*

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 16:27	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.918**		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**2.70**		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.663**		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.0 %*	*25-150*
Surrogate: M5PFHxA	*88.6 %*	*25-150*
Surrogate: M4PFHpA	*78.5 %*	*25-150*
Surrogate: M3PFHxS	*92.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.5 %*	*25-150*
Surrogate: M6PFDA	*89.5 %*	*25-150*
Surrogate: M7PFUdA	*64.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*59.6 %*	*25-150*
Surrogate: M2PFTeDA	*61.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*83.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*85.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*69.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*71.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*129 %*	*25-200*
Surrogate: M2-8:2 FTS	*81.2 %*	*25-200*
Surrogate: M9PFNA	*91.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:31	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:31	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:31	CM

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.209	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0419	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:31	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.5 %*	*30-150*

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0211	1	EPA 8082A	02/04/2022 08:08	02/07/2022 15:47	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0252	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0252	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0252	1	EPA 8151A	02/04/2022 13:31	02/07/2022 17:52	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*75.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4790**		mg/kg dry	6.41	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.99**		mg/kg dry	1.92	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**78.6**		mg/kg dry	3.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.384	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3440**		mg/kg dry	6.41	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**13.0**		mg/kg dry	0.641	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.88**		mg/kg dry	0.513	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**52.3**		mg/kg dry	2.56	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**10600**		mg/kg dry	32.0	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**109**		mg/kg dry	0.641	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2170**		mg/kg dry	6.41	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**60.9**		mg/kg dry	0.641	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**59.6**		mg/kg dry	1.28	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**427**	B	mg/kg dry	6.41	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.667**		mg/kg dry	0.641	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**236**		mg/kg dry	64.1	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**18.1**		mg/kg dry	1.28	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**118**		mg/kg dry	3.20	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP29_7.5 **York Sample ID:** 22B0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 9:10 am	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.226**		mg/kg dry	0.0384	1	EPA 7473	02/07/2022 21:36	02/08/2022 12:53	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.641	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.0**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.641	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.0**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.091	0.18	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.027	1	EPA 8260C	02/02/2022 06:12	02/02/2022 17:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*119 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0757**	J	mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0835**	J	mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.218	0.436	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.218	0.436	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.145**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.155**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.158**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0818**	J	mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.106**	J	mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.158**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.109	0.217	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.209**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.106**	J	mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.134**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.163**		mg/kg dry	0.0546	0.109	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.218	0.436	2	EPA 8270D	02/03/2022 13:47	02/08/2022 00:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*45.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*42.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*69.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*54.7 %*	*24-116*

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 16:45	KH

Surrogate Recoveries	Result		Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*38.0 %*	S-08	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.549**		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.762**		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.322	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 14:49	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.4 %*	*25-150*
Surrogate: M5PFHxA	*86.9 %*	*25-150*
Surrogate: M4PFHpA	*90.3 %*	*25-150*
Surrogate: M3PFHxS	*88.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.9 %*	*25-150*
Surrogate: M6PFDA	*86.1 %*	*25-150*
Surrogate: M7PFUdA	*66.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*58.0 %*	*25-150*
Surrogate: M2PFTeDA	*67.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*80.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*67.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*100 %*	*25-200*
Surrogate: M2-8:2 FTS	*94.7 %*	*25-200*
Surrogate: M9PFNA	*90.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:48	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:48	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00217	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 10:48	CM

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.217	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0434	5	EPA 8081B	02/04/2022 08:08	02/08/2022 10:48	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.1 %*	*30-150*

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0219	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:00	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0262	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0262	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0262	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*68.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7270**		mg/kg dry	6.66	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP39_7.5** **York Sample ID:** **22B0044-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.88**		mg/kg dry	2.00	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**84.2**		mg/kg dry	3.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.491**		mg/kg dry	0.399	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**31800**		mg/kg dry	6.66	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**19.5**		mg/kg dry	0.666	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**9.85**		mg/kg dry	0.533	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**75.5**		mg/kg dry	2.66	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**16400**		mg/kg dry	33.3	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**95.9**		mg/kg dry	0.666	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**5620**		mg/kg dry	6.66	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**210**		mg/kg dry	0.666	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**72.2**		mg/kg dry	1.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**858**	B	mg/kg dry	6.66	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	3.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.666	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**215**		mg/kg dry	66.6	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	3.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**22.6**		mg/kg dry	1.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**149**		mg/kg dry	3.33	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:42	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP39_7.5 **York Sample ID:** 22B0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 10:30 am	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.204**		mg/kg dry	0.0399	1	EPA 7473	02/07/2022 21:36	02/08/2022 13:02	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.666	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**19.5**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.666	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.1**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.095	0.19	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.028	1	EPA 8260C	02/03/2022 06:27	02/03/2022 16:20	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0879**	J	mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.145**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.220	0.440	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.152**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.220	0.440	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.262**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.302**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.292**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.146**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.249**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.254**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0571**	J	mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.110	0.220	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.346**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.192**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0563**	J	mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.106**	J	mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.331**		mg/kg dry	0.0551	0.110	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.220	0.440	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*58.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*51.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*70.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*73.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*56.4 %*	*24-116*

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 17:02	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.659**		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.493**		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL

Sample Information

Client Sample ID: **EP38_7.5** **York Sample ID:** **22B0044-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.317	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:02	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.2 %*	*25-150*
Surrogate: M5PFHxA	*84.4 %*	*25-150*
Surrogate: M4PFHpA	*88.5 %*	*25-150*
Surrogate: M3PFHxS	*92.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.8 %*	*25-150*
Surrogate: M6PFDA	*85.7 %*	*25-150*
Surrogate: M7PFUdA	*67.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*62.8 %*	*25-150*
Surrogate: M2PFTeDA	*64.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*85.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*64.7 %*	*25-200*
Surrogate: M9PFNA	*86.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00220	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:05	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00220	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:05	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00220	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:05	CM

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.220	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0439	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:05	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.0 %*	*30-150*

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0222	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:14	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0265	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0265	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0265	1	EPA 8151A	02/04/2022 13:31	02/07/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*70.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9690**		mg/kg dry	6.75	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.37	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP38_7.5** **York Sample ID:** **22B0044-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.11**		mg/kg dry	2.02	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**85.7**		mg/kg dry	3.37	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.405	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**24500**		mg/kg dry	6.75	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**41.1**		mg/kg dry	0.675	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**19.1**		mg/kg dry	0.540	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**40.4**		mg/kg dry	2.70	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17600**		mg/kg dry	33.7	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**82.7**		mg/kg dry	0.675	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8740**		mg/kg dry	6.75	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**374**		mg/kg dry	0.675	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**231**		mg/kg dry	1.35	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**962**	B	mg/kg dry	6.75	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.37	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.675	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**216**		mg/kg dry	67.5	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.37	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.1**		mg/kg dry	1.35	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**109**		mg/kg dry	3.37	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:44	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP38_7.5 **York Sample ID:** 22B0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 12:30 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.141**		mg/kg dry	0.0405	1	EPA 7473	02/07/2022 21:36	02/08/2022 13:11	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.675	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**41.1**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.675	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.1**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.0 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.0998**	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0710**	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.269**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.515**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.621**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.471**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.303**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.410**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0846**	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.480**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.114**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0999	0.199	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.12**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0942**	J	mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.362**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	**N-nitroso-di-n-propylamine**	**0.137**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.881**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.881**		mg/kg dry	0.0501	0.0999	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D	02/03/2022 13:47	02/08/2022 01:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*57.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*83.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*80.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*59.4 %*	*24-116*

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 17:19	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.301**		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.294	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.8 %*	*25-150*
Surrogate: M5PFHxA	*72.7 %*	*25-150*
Surrogate: M4PFHpA	*75.1 %*	*25-150*
Surrogate: M3PFHxS	*89.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.0 %*	*25-150*
Surrogate: M6PFDA	*80.5 %*	*25-150*
Surrogate: M7PFUdA	*58.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*54.4 %*	*25-150*
Surrogate: M2PFTeDA	*57.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*69.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*70.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*68.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*80.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*89.7 %*	*25-200*
Surrogate: M9PFNA	*89.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:21	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:21	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:21	CM

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0400	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:21	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.0 %*	*30-150*

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:28	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0242	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0242	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0242	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*37.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9070**		mg/kg dry	6.09	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.33**		mg/kg dry	3.04	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.76**		mg/kg dry	1.83	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**113**		mg/kg dry	3.04	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.365	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**6270**		mg/kg dry	6.09	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**65.9**		mg/kg dry	0.609	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**31.9**		mg/kg dry	0.487	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**79.0**		mg/kg dry	2.43	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**25900**		mg/kg dry	30.4	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**113**		mg/kg dry	0.609	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**21400**		mg/kg dry	6.09	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**230**		mg/kg dry	0.609	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**446**		mg/kg dry	1.22	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1200**	B	mg/kg dry	6.09	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.04	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.609	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**263**		mg/kg dry	60.9	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.04	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.8**		mg/kg dry	1.22	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**414**		mg/kg dry	3.04	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:47	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP37_7.5 **York Sample ID:** 22B0044-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 1:50 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0458**		mg/kg dry	0.0365	1	EPA 7473	02/07/2022 21:36	02/08/2022 13:19	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.609	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**65.9**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.609	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.1**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.080	0.16	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.024	1	EPA 8260C	02/02/2022 06:12	02/02/2022 18:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0729**	J	mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0832**	J	mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.155**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.179**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.181**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.110**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.124**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.161**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.289**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.128**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.166**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.232**		mg/kg dry	0.0538	0.107	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D	02/03/2022 13:47	02/08/2022 02:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*59.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*52.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*59.8 %*	*24-116*

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/02/2022 12:14	02/07/2022 17:35	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*36.0 %*	S-08	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.555**		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.519**		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL

Sample Information

Client Sample ID: **EP36_7.5** **York Sample ID:** **22B0044-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.309	1	EPA 537m Certifications:	02/02/2022 15:54	02/04/2022 15:26	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.5 %*	*25-150*
Surrogate: M5PFHxA	*76.6 %*	*25-150*
Surrogate: M4PFHpA	*65.7 %*	*25-150*
Surrogate: M3PFHxS	*85.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*79.5 %*	*25-150*
Surrogate: M6PFDA	*74.7 %*	*25-150*
Surrogate: M7PFUdA	*52.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*46.5 %*	*25-150*
Surrogate: M2PFTeDA	*48.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*65.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*49.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*63.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*69.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*85.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*70.9 %*	*25-200*
Surrogate: M9PFNA	*75.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:38	CM
72-55-9	**4,4'-DDE**	**0.00770**		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:38	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 11:38	CM

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.214	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0428	5	EPA 8081B	02/04/2022 08:08	02/08/2022 11:38	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.5 %*	*30-150*

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0216	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:41	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0259	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0259	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0259	1	EPA 8151A	02/03/2022 13:41	02/04/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*16.6 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5710**		mg/kg dry	6.52	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.43**		mg/kg dry	1.96	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**79.5**		mg/kg dry	3.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.065	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.391	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**13900**		mg/kg dry	6.52	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**18.3**		mg/kg dry	0.652	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.88**		mg/kg dry	0.522	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**35.8**		mg/kg dry	2.61	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13600**		mg/kg dry	32.6	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**132**		mg/kg dry	0.652	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3790**		mg/kg dry	6.52	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**178**		mg/kg dry	0.652	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**61.6**		mg/kg dry	1.30	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**711**	B	mg/kg dry	6.52	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.720**		mg/kg dry	0.652	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**266**		mg/kg dry	65.2	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**18.8**		mg/kg dry	1.30	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**135**		mg/kg dry	3.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 16:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP36_7.5 **York Sample ID:** 22B0044-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Soil	February 1, 2022 2:00 pm	02/01/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.891**		mg/kg dry	0.0391	1	EPA 7473	02/07/2022 21:36	02/08/2022 13:28	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.652	1	EPA 7196A	02/02/2022 08:59	02/02/2022 16:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**18.3**		mg/kg	0.500	1	Calculation	02/08/2022 12:54	02/08/2022 16:35	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.652	1	EPA 9014/9010C	02/02/2022 08:42	02/02/2022 13:50	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.7**		%	0.100	1	SM 2540G	02/02/2022 11:58	02/02/2022 14:37	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02012022** **York Sample ID:** **22B0044-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Water	February 1, 2022 2:30 pm	02/01/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	02/02/2022 13:40	02/04/2022 19:12	WL

Sample Information

Client Sample ID: FB01_PFAS_02012022 **York Sample ID:** 22B0044-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0044	170610601	Water	February 1, 2022 2:30 pm	02/01/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m	02/02/2022 13:40	02/04/2022 19:12	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.6 %*	*25-150*
Surrogate: M5PFHxA	*91.3 %*	*25-150*
Surrogate: M4PFHpA	*100 %*	*25-150*
Surrogate: M3PFHxS	*98.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.9 %*	*25-150*
Surrogate: M6PFDA	*89.4 %*	*25-150*
Surrogate: M7PFUdA	*81.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*66.9 %*	*25-150*
Surrogate: M2PFTeDA	*34.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*24.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*62.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*68.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*76.0 %*	*25-200*
Surrogate: M9PFNA	*102 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21243 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/02/22
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-04	EP38_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22
22B0044-06	EP36_7.5	02/02/22
BB21243-BLK1	Blank	02/02/22
BB21243-DUP1	Duplicate	02/02/22
BB21243-MS1	Matrix Spike	02/02/22
BB21243-SRM1	Reference	02/02/22

Batch ID: BB21252 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/02/22
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-04	EP38_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22
22B0044-06	EP36_7.5	02/02/22
BB21252-BLK1	Blank	02/02/22
BB21252-DUP1	Duplicate	02/02/22
BB21252-MS1	Matrix Spike	02/02/22
BB21252-SRM1	Reference	02/02/22

Batch ID: BB21271 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/02/22
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-04	EP38_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22
22B0044-06	EP36_7.5	02/02/22
BB21271-DUP1	Duplicate	02/02/22

Batch ID: BB21276 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/02/22
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-04	EP38_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22

22B0044-06	EP36_7.5	02/02/22
BB21276-BLK1	Blank	02/02/22
BB21276-BS1	LCS	02/02/22
BB21276-MS1	Matrix Spike	02/02/22
BB21276-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21281 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22
22B0044-06	EP36_7.5	02/02/22
BB21281-BLK1	Blank	02/02/22
BB21281-BLK2	Blank	02/02/22
BB21281-BLK3	Blank	02/02/22
BB21281-BLK4	Blank	02/02/22
BB21281-BS1	LCS	02/02/22
BB21281-BSD1	LCS Dup	02/02/22

Batch ID: BB21282 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-07	FB01_PFAS_02012022	02/02/22
BB21282-BLK1	Blank	02/02/22
BB21282-BS1	LCS	02/02/22
BB21282-MS1	Matrix Spike	02/02/22
BB21282-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21294 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/02/22
22B0044-02	EP29_7.5	02/02/22
22B0044-03	EP39_7.5	02/02/22
22B0044-04	EP38_7.5	02/02/22
22B0044-05	EP37_7.5	02/02/22
22B0044-06	EP36_7.5	02/02/22
BB21294-BLK1	Blank	02/02/22
BB21294-BS1	LCS	02/02/22
BB21294-MS1	Matrix Spike	02/02/22
BB21294-MSD1	Matrix Spike Dup	02/02/22

Batch ID: BB21350 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-05	EP37_7.5	02/03/22
22B0044-06	EP36_7.5	02/03/22
BB21350-BLK1	Blank	02/03/22

BB21350-BS1	LCS	02/03/22
BB21350-MS1	Matrix Spike	02/03/22
BB21350-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21355 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/03/22
22B0044-02	EP29_7.5	02/03/22
22B0044-02RE1	EP29_7.5	02/03/22
22B0044-02RE2	EP29_7.5	02/03/22
22B0044-03	EP39_7.5	02/03/22
22B0044-04	EP38_7.5	02/03/22
22B0044-05	EP37_7.5	02/03/22
22B0044-06	EP36_7.5	02/03/22
BB21355-BLK1	Blank	02/03/22
BB21355-BS1	LCS	02/03/22

Batch ID: BB21373 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/03/22
22B0044-02	EP29_7.5	02/03/22
22B0044-03	EP39_7.5	02/03/22
22B0044-04	EP38_7.5	02/03/22
22B0044-05	EP37_7.5	02/03/22
22B0044-06	EP36_7.5	02/03/22
BB21373-BLK1	Blank	02/03/22
BB21373-DUP1	Duplicate	02/03/22
BB21373-MS1	Matrix Spike	02/03/22
BB21373-PS1	Post Spike	02/03/22
BB21373-SRM1	Reference	02/03/22

Batch ID: BB21380 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/03/22
22B0044-04	EP38_7.5	02/03/22
BB21380-BLK1	Blank	02/03/22
BB21380-BS1	LCS	02/03/22
BB21380-BSD1	LCS Dup	02/03/22

Batch ID: BB21395 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/04/22
22B0044-01	EP07_7.5	02/04/22
22B0044-02	EP29_7.5	02/04/22
22B0044-02	EP29_7.5	02/04/22

22B0044-03	EP39_7.5	02/04/22
22B0044-03	EP39_7.5	02/04/22
22B0044-04	EP38_7.5	02/04/22
22B0044-04	EP38_7.5	02/04/22
22B0044-05	EP37_7.5	02/04/22
22B0044-05	EP37_7.5	02/04/22
22B0044-06	EP36_7.5	02/04/22
22B0044-06	EP36_7.5	02/04/22
BB21395-BLK1	Blank	02/04/22
BB21395-BLK2	Blank	02/04/22
BB21395-BS1	LCS	02/04/22
BB21395-BS2	LCS	02/04/22
BB21395-MS2	Matrix Spike	02/04/22
BB21395-MSD2	Matrix Spike Dup	02/04/22

Batch ID: BB21429 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/04/22
22B0044-02	EP29_7.5	02/04/22
22B0044-03	EP39_7.5	02/04/22
22B0044-04	EP38_7.5	02/04/22
BB21429-BLK1	Blank	02/04/22
BB21429-BS1	LCS	02/04/22
BB21429-MS1	Matrix Spike	02/04/22
BB21429-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21546 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/07/22
22B0044-02	EP29_7.5	02/07/22
22B0044-03	EP39_7.5	02/07/22
22B0044-04	EP38_7.5	02/07/22
22B0044-05	EP37_7.5	02/07/22
22B0044-06	EP36_7.5	02/07/22
BB21546-BLK1	Blank	02/07/22
BB21546-DUP1	Duplicate	02/07/22
BB21546-MS1	Matrix Spike	02/07/22
BB21546-SRM1	Reference	02/07/22

Batch ID: BB21575 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0044-01	EP07_7.5	02/08/22
22B0044-02	EP29_7.5	02/08/22
22B0044-03	EP39_7.5	02/08/22
22B0044-04	EP38_7.5	02/08/22
22B0044-05	EP37_7.5	02/08/22
22B0044-06	EP36_7.5	02/08/22

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Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK1) Blank									Prepared & Analyzed: 02/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK1) Blank									Prepared & Analyzed: 02/02/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.0*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.1*	*76-130*				
Blank (BB21281-BLK2) MeOH Blank									Prepared & Analyzed: 02/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK2) MeOH Blank									Prepared & Analyzed: 02/02/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.1*		*ug/L*	*50.0*		*112*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.0*		*"*	*50.0*		*96.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK3) HB-22B0047									Prepared & Analyzed: 02/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK3) HB-22B0047								Prepared & Analyzed: 02/02/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*76-130*				
Blank (BB21281-BLK4) HB-22B0044								Prepared & Analyzed: 02/02/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
Blank (BB21281-BLK4) HB-22B0044									Prepared & Analyzed: 02/02/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.9*		*ug/L*	*50.0*		*112*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS (BB21281-BS1) LCS							Prepared & Analyzed: 02/02/2022				
1,1,1,2-Tetrachloroethane	53.3		ug/L	50.0		107	75-129				
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137				
1,1,2,2-Tetrachloroethane	45.2		"	50.0		90.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		92.1	58-146				
1,1,2-Trichloroethane	46.8		"	50.0		93.6	83-123				
1,1-Dichloroethane	44.8		"	50.0		89.7	75-130				
1,1-Dichloroethylene	44.4		"	50.0		88.8	64-137				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	50.1		"	50.0		100	81-126				
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	49.7		"	50.0		99.5	84-125				
1,2-Dibromo-3-chloropropane	48.3		"	50.0		96.6	74-142				
1,2-Dibromoethane	49.5		"	50.0		98.9	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	49.4		"	50.0		98.7	71-133				
1,2-Dichloropropane	43.2		"	50.0		86.5	81-122				
1,3,5-Trimethylbenzene	49.0		"	50.0		98.0	82-126				
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,4-Dichlorobenzene	50.4		"	50.0		101	84-124				
1,4-Dioxane	1040		"	1050		98.7	10-228				
2-Butanone	42.2		"	50.0		84.3	58-147				
2-Hexanone	41.7		"	50.0		83.4	70-139				
4-Methyl-2-pentanone	40.1		"	50.0		80.1	72-132				
Acetone	36.1		"	50.0		72.3	36-155				
Acrolein	25.2		"	50.0		50.3	10-238				
Acrylonitrile	41.1		"	50.0		82.2	66-141				
Benzene	44.7		"	50.0		89.5	77-127				
Bromochloromethane	42.2		"	50.0		84.3	74-129				
Bromodichloromethane	51.6		"	50.0		103	81-124				
Bromoform	56.3		"	50.0		113	80-136				
Bromomethane	52.6		"	50.0		105	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	56.2		"	50.0		112	66-143				
Chlorobenzene	50.7		"	50.0		101	86-120				
Chloroethane	43.9		"	50.0		87.8	51-142				
Chloroform	50.6		"	50.0		101	76-131				
Chloromethane	26.5		"	50.0		52.9	49-132				
cis-1,2-Dichloroethylene	44.8		"	50.0		89.6	74-132				
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129				
Cyclohexane	38.8		"	50.0		77.5	70-130				
Dibromochloromethane	55.1		"	50.0		110	10-200				
Dibromomethane	47.2		"	50.0		94.4	83-124				
Dichlorodifluoromethane	23.8		"	50.0		47.6	28-158				
Ethyl Benzene	48.3		"	50.0		96.6	84-125				
Hexachlorobutadiene	57.3		"	50.0		115	83-133				
Isopropylbenzene	50.2		"	50.0		100	81-127				
Methyl acetate	36.2		"	50.0		72.5	41-143				
Methyl tert-butyl ether (MTBE)	44.7		"	50.0		89.4	74-131				
Methylcyclohexane	43.8		"	50.0		87.5	70-130				
Methylene chloride	41.9		"	50.0		83.7	57-141				
n-Butylbenzene	51.1		"	50.0		102	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS (BB21281-BS1) LCS								Prepared & Analyzed: 02/02/2022			
n-Propylbenzene	47.8		ug/L	50.0		95.5	74-136				
o-Xylene	50.7		"	50.0		101	83-123				
p- & m- Xylenes	98.5		"	100		98.5	82-128				
p-Isopropyltoluene	51.2		"	50.0		102	85-125				
sec-Butylbenzene	48.9		"	50.0		97.8	83-125				
Styrene	47.3		"	50.0		94.6	86-126				
tert-Butyl alcohol (TBA)	228		"	250		91.2	70-130				
tert-Butylbenzene	50.6		"	50.0		101	80-127				
Tetrachloroethylene	45.4		"	50.0		90.9	80-129				
Toluene	46.4		"	50.0		92.9	85-121				
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	72-132				
trans-1,3-Dichloropropylene	51.3		"	50.0		103	78-132				
Trichloroethylene	48.2		"	50.0		96.5	84-123				
Trichlorofluoromethane	50.8		"	50.0		102	62-140				
Vinyl Chloride	34.3		"	50.0		68.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.8*		*"*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				
LCS Dup (BB21281-BSD1) LCS Dup								Prepared & Analyzed: 02/02/2022			
1,1,1,2-Tetrachloroethane	54.3		ug/L	50.0		109	75-129		1.93	30	
1,1,1-Trichloroethane	52.9		"	50.0		106	71-137		0.978	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.8	79-129		4.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.3	58-146		1.97	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.8	83-123		2.32	30	
1,1-Dichloroethane	43.8		"	50.0		87.7	75-130		2.28	30	
1,1-Dichloroethylene	44.1		"	50.0		88.2	64-137		0.700	30	
1,2,3-Trichlorobenzene	53.8		"	50.0		108	81-140		1.27	30	
1,2,3-Trichloropropane	51.5		"	50.0		103	81-126		2.68	30	
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141		0.0552	30	
1,2,4-Trimethylbenzene	49.7		"	50.0		99.3	84-125		0.141	30	
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142		6.76	30	
1,2-Dibromoethane	51.5		"	50.0		103	86-123		4.04	30	
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122		0.0394	30	
1,2-Dichloroethane	50.4		"	50.0		101	71-133		2.05	30	
1,2-Dichloropropane	44.3		"	50.0		88.5	81-122		2.35	30	
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126		1.20	30	
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124		0.0986	30	
1,4-Dichlorobenzene	50.9		"	50.0		102	84-124		0.987	30	
1,4-Dioxane	1150		"	1050		109	10-228		10.3	30	
2-Butanone	44.3		"	50.0		88.5	58-147		4.88	30	
2-Hexanone	43.3		"	50.0		86.6	70-139		3.84	30	
4-Methyl-2-pentanone	43.0		"	50.0		86.0	72-132		7.01	30	
Acetone	36.5		"	50.0		73.0	36-155		1.05	30	
Acrolein	24.8		"	50.0		49.6	10-238		1.56	30	
Acrylonitrile	43.4		"	50.0		86.9	66-141		5.54	30	
Benzene	44.1		"	50.0		88.1	77-127		1.51	30	
Bromochloromethane	41.8		"	50.0		83.6	74-129		0.834	30	
Bromodichloromethane	52.7		"	50.0		105	81-124		2.05	30	
Bromoform	58.9		"	50.0		118	80-136		4.55	30	
Bromomethane	50.4		"	50.0		101	32-177		4.22	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21281 - EPA 5035A											
LCS Dup (BB21281-BSD1) LCS Dup								Prepared & Analyzed: 02/02/2022			
Carbon disulfide	46.1		ug/L	50.0		92.2	10-136		1.06	30	
Carbon tetrachloride	56.6		"	50.0		113	66-143		0.656	30	
Chlorobenzene	50.8		"	50.0		102	86-120		0.237	30	
Chloroethane	45.3		"	50.0		90.5	51-142		3.03	30	
Chloroform	49.8		"	50.0		99.7	76-131		1.57	30	
Chloromethane	26.7		"	50.0		53.4	49-132		0.903	30	
cis-1,2-Dichloroethylene	45.0		"	50.0		89.9	74-132		0.423	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		3.00	30	
Cyclohexane	38.5		"	50.0		77.0	70-130		0.621	30	
Dibromochloromethane	56.1		"	50.0		112	10-200		1.80	30	
Dibromomethane	49.1		"	50.0		98.2	83-124		3.86	30	
Dichlorodifluoromethane	23.2		"	50.0		46.5	28-158		2.42	30	
Ethyl Benzene	48.4		"	50.0		96.9	84-125		0.310	30	
Hexachlorobutadiene	58.0		"	50.0		116	83-133		1.18	30	
Isopropylbenzene	50.5		"	50.0		101	81-127		0.556	30	
Methyl acetate	37.8		"	50.0		75.6	41-143		4.19	30	
Methyl tert-butyl ether (MTBE)	45.7		"	50.0		91.5	74-131		2.23	30	
Methylcyclohexane	43.5		"	50.0		87.0	70-130		0.527	30	
Methylene chloride	41.1		"	50.0		82.2	57-141		1.88	30	
n-Butylbenzene	48.9		"	50.0		97.8	80-130		4.38	30	
n-Propylbenzene	47.6		"	50.0		95.2	74-136		0.399	30	
o-Xylene	51.0		"	50.0		102	83-123		0.512	30	
p- & m- Xylenes	99.4		"	100		99.4	82-128		0.910	30	
p-Isopropyltoluene	51.5		"	50.0		103	85-125		0.624	30	
sec-Butylbenzene	48.6		"	50.0		97.2	83-125		0.595	30	
Styrene	48.0		"	50.0		96.1	86-126		1.57	30	
tert-Butyl alcohol (TBA)	252		"	250		101	70-130		10.0	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		0.0790	30	
Tetrachloroethylene	45.5		"	50.0		91.0	80-129		0.0880	30	
Toluene	47.1		"	50.0		94.2	85-121		1.39	30	
trans-1,2-Dichloroethylene	44.1		"	50.0		88.2	72-132		2.40	30	
trans-1,3-Dichloropropylene	52.6		"	50.0		105	78-132		2.54	30	
Trichloroethylene	48.6		"	50.0		97.2	84-123		0.785	30	
Trichlorofluoromethane	48.1		"	50.0		96.2	62-140		5.40	30	
Vinyl Chloride	34.1		"	50.0		68.2	52-130		0.468	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.5*		*"*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21380 - EPA 5035A											
Blank (BB21380-BLK1) Blank									Prepared & Analyzed: 02/03/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21380 - EPA 5035A											
Blank (BB21380-BLK1) Blank								Prepared & Analyzed: 02/03/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.1*		*ug/L*	*50.0*		*112*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				
LCS (BB21380-BS1) LCS								Prepared & Analyzed: 02/03/2022			
1,1,1,2-Tetrachloroethane	47.0		ug/L	50.0		94.1	75-129				
1,1,1-Trichloroethane	48.6		"	50.0		97.2	71-137				
1,1,2,2-Tetrachloroethane	40.1		"	50.0		80.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.2		"	50.0		88.3	58-146				
1,1,2-Trichloroethane	41.0		"	50.0		81.9	83-123	Low Bias			
1,1-Dichloroethane	39.4		"	50.0		78.8	75-130				
1,1-Dichloroethylene	42.0		"	50.0		84.0	64-137				
1,2,3-Trichlorobenzene	46.0		"	50.0		91.9	81-140				
1,2,3-Trichloropropane	44.2		"	50.0		88.4	81-126				
1,2,4-Trichlorobenzene	47.1		"	50.0		94.1	80-141				
1,2,4-Trimethylbenzene	43.6		"	50.0		87.1	84-125				
1,2-Dibromo-3-chloropropane	44.6		"	50.0		89.3	74-142				
1,2-Dibromoethane	44.0		"	50.0		88.1	86-123				
1,2-Dichlorobenzene	44.1		"	50.0		88.2	85-122				
1,2-Dichloroethane	46.2		"	50.0		92.4	71-133				
1,2-Dichloropropane	38.9		"	50.0		77.7	81-122	Low Bias			
1,3,5-Trimethylbenzene	42.9		"	50.0		85.9	82-126				
1,3-Dichlorobenzene	44.1		"	50.0		88.3	84-124				
1,4-Dichlorobenzene	42.9		"	50.0		85.8	84-124				
1,4-Dioxane	938		"	1050		89.3	10-228				
2-Butanone	40.0		"	50.0		79.9	58-147				
2-Hexanone	40.9		"	50.0		81.9	70-139				
4-Methyl-2-pentanone	39.4		"	50.0		78.8	72-132				
Acetone	36.5		"	50.0		73.1	36-155				
Acrolein	24.3		"	50.0		48.5	10-238				
Acrylonitrile	38.0		"	50.0		76.0	66-141				
Benzene	38.8		"	50.0		77.6	77-127				
Bromochloromethane	37.7		"	50.0		75.5	74-129				
Bromodichloromethane	46.8		"	50.0		93.7	81-124				
Bromoform	50.6		"	50.0		101	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21380 - EPA 5035A											
LCS (BB21380-BS1) LCS							Prepared & Analyzed: 02/03/2022				
Bromomethane	59.6		ug/L	50.0		119	32-177				
Carbon disulfide	44.2		"	50.0		88.3	10-136				
Carbon tetrachloride	51.1		"	50.0		102	66-143				
Chlorobenzene	44.3		"	50.0		88.5	86-120				
Chloroethane	48.5		"	50.0		97.0	51-142				
Chloroform	44.6		"	50.0		89.1	76-131				
Chloromethane	32.2		"	50.0		64.5	49-132				
cis-1,2-Dichloroethylene	40.2		"	50.0		80.5	74-132				
cis-1,3-Dichloropropylene	43.8		"	50.0		87.5	81-129				
Cyclohexane	35.6		"	50.0		71.3	70-130				
Dibromochloromethane	48.6		"	50.0		97.2	10-200				
Dibromomethane	43.6		"	50.0		87.2	83-124				
Dichlorodifluoromethane	48.0		"	50.0		96.1	28-158				
Ethyl Benzene	43.4		"	50.0		86.7	84-125				
Hexachlorobutadiene	49.3		"	50.0		98.6	83-133				
Isopropylbenzene	43.4		"	50.0		86.7	81-127				
Methyl acetate	31.2		"	50.0		62.4	41-143				
Methyl tert-butyl ether (MTBE)	39.7		"	50.0		79.5	74-131				
Methylcyclohexane	39.5		"	50.0		79.1	70-130				
Methylene chloride	37.8		"	50.0		75.7	57-141				
n-Butylbenzene	44.1		"	50.0		88.1	80-130				
n-Propylbenzene	41.9		"	50.0		83.7	74-136				
o-Xylene	45.0		"	50.0		89.9	83-123				
p- & m- Xylenes	88.4		"	100		88.4	82-128				
p-Isopropyltoluene	44.8		"	50.0		89.5	85-125				
sec-Butylbenzene	42.5		"	50.0		84.9	83-125				
Styrene	41.8		"	50.0		83.6	86-126	Low Bias			
tert-Butyl alcohol (TBA)	209		"	250		83.6	70-130				
tert-Butylbenzene	43.9		"	50.0		87.9	80-127				
Tetrachloroethylene	40.4		"	50.0		80.7	80-129				
Toluene	41.1		"	50.0		82.1	85-121	Low Bias			
trans-1,2-Dichloroethylene	41.4		"	50.0		82.8	72-132				
trans-1,3-Dichloropropylene	45.3		"	50.0		90.5	78-132				
Trichloroethylene	43.3		"	50.0		86.6	84-123				
Trichlorofluoromethane	56.3		"	50.0		113	62-140				
Vinyl Chloride	40.1		"	50.0		80.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.8*		*"*	*50.0*		*114*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.6*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21380 - EPA 5035A

LCS Dup (BB21380-BSD1) LCS Dup — Prepared & Analyzed: 02/03/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		10.5	30	
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137		9.42	30	
1,1,2,2-Tetrachloroethane	43.9		"	50.0		87.8	79-129		8.98	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.3		"	50.0		98.5	58-146		10.9	30	
1,1,2-Trichloroethane	45.7		"	50.0		91.5	83-123		11.0	30	
1,1-Dichloroethane	44.1		"	50.0		88.2	75-130		11.2	30	
1,1-Dichloroethylene	47.0		"	50.0		94.0	64-137		11.3	30	
1,2,3-Trichlorobenzene	51.8		"	50.0		104	81-140		12.0	30	
1,2,3-Trichloropropane	49.1		"	50.0		98.1	81-126		10.4	30	
1,2,4-Trichlorobenzene	53.5		"	50.0		107	80-141		12.9	30	
1,2,4-Trimethylbenzene	48.0		"	50.0		96.0	84-125		9.72	30	
1,2-Dibromo-3-chloropropane	49.8		"	50.0		99.6	74-142		11.0	30	
1,2-Dibromoethane	50.7		"	50.0		101	86-123		14.0	30	
1,2-Dichlorobenzene	49.6		"	50.0		99.1	85-122		11.7	30	
1,2-Dichloroethane	50.6		"	50.0		101	71-133		9.05	30	
1,2-Dichloropropane	42.8		"	50.0		85.6	81-122		9.60	30	
1,3,5-Trimethylbenzene	47.4		"	50.0		94.7	82-126		9.79	30	
1,3-Dichlorobenzene	48.9		"	50.0		97.8	84-124		10.2	30	
1,4-Dichlorobenzene	49.2		"	50.0		98.3	84-124		13.6	30	
1,4-Dioxane	1050		"	1050		100	10-228		11.6	30	
2-Butanone	44.2		"	50.0		88.3	58-147		10.0	30	
2-Hexanone	44.2		"	50.0		88.4	70-139		7.64	30	
4-Methyl-2-pentanone	43.0		"	50.0		85.9	72-132		8.59	30	
Acetone	36.4		"	50.0		72.9	36-155		0.274	30	
Acrolein	28.2		"	50.0		56.4	10-238		15.0	30	
Acrylonitrile	41.8		"	50.0		83.7	66-141		9.65	30	
Benzene	43.0		"	50.0		86.0	77-127		10.3	30	
Bromochloromethane	41.9		"	50.0		83.9	74-129		10.6	30	
Bromodichloromethane	52.3		"	50.0		105	81-124		11.0	30	
Bromoform	57.4		"	50.0		115	80-136		12.6	30	
Bromomethane	64.0		"	50.0		128	32-177		7.20	30	
Carbon disulfide	50.2		"	50.0		100	10-136		12.9	30	
Carbon tetrachloride	57.5		"	50.0		115	66-143		11.8	30	
Chlorobenzene	49.8		"	50.0		99.6	86-120		11.8	30	
Chloroethane	52.0		"	50.0		104	51-142		6.89	30	
Chloroform	50.3		"	50.0		101	76-131		12.1	30	
Chloromethane	34.9		"	50.0		69.7	49-132		7.84	30	
cis-1,2-Dichloroethylene	44.5		"	50.0		88.9	74-132		10.0	30	
cis-1,3-Dichloropropylene	49.5		"	50.0		99.0	81-129		12.3	30	
Cyclohexane	39.1		"	50.0		78.3	70-130		9.34	30	
Dibromochloromethane	56.5		"	50.0		113	10-200		15.1	30	
Dibromomethane	48.4		"	50.0		96.7	83-124		10.4	30	
Dichlorodifluoromethane	53.8		"	50.0		108	28-158		11.2	30	
Ethyl Benzene	47.4		"	50.0		94.9	84-125		8.98	30	
Hexachlorobutadiene	55.2		"	50.0		110	83-133		11.3	30	
Isopropylbenzene	47.5		"	50.0		95.1	81-127		9.20	30	
Methyl acetate	37.1		"	50.0		74.2	41-143		17.2	30	
Methyl tert-butyl ether (MTBE)	45.9		"	50.0		91.8	74-131		14.4	30	
Methylcyclohexane	43.6		"	50.0		87.1	70-130		9.68	30	
Methylene chloride	41.6		"	50.0		83.2	57-141		9.52	30	
n-Butylbenzene	48.0		"	50.0		96.0	80-130		8.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21380 - EPA 5035A											
LCS Dup (BB21380-BSD1) LCS Dup								Prepared & Analyzed: 02/03/2022			
n-Propylbenzene	45.7		ug/L	50.0		91.4	74-136		8.77	30	
o-Xylene	49.9		"	50.0		99.7	83-123		10.4	30	
p- & m- Xylenes	98.1		"	100		98.1	82-128		10.4	30	
p-Isopropyltoluene	49.2		"	50.0		98.5	85-125		9.53	30	
sec-Butylbenzene	46.6		"	50.0		93.3	83-125		9.38	30	
Styrene	46.5		"	50.0		93.1	86-126		10.8	30	
tert-Butyl alcohol (TBA)	233		"	250		93.1	70-130		10.8	30	
tert-Butylbenzene	48.6		"	50.0		97.1	80-127		9.99	30	
Tetrachloroethylene	45.0		"	50.0		90.0	80-129		10.8	30	
Toluene	46.3		"	50.0		92.7	85-121		12.1	30	
trans-1,2-Dichloroethylene	45.3		"	50.0		90.7	72-132		9.13	30	
trans-1,3-Dichloropropylene	50.4		"	50.0		101	78-132		10.6	30	
Trichloroethylene	47.9		"	50.0		95.8	84-123		10.1	30	
Trichlorofluoromethane	60.1		"	50.0		120	62-140		6.47	30	
Vinyl Chloride	44.0		"	50.0		87.9	52-130		9.09	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.7*		*"*	*50.0*		*113*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.6*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21355 - EPA 3546 SVOA

Blank (BB21355-BLK1) Blank — Prepared: 02/03/2022 Analyzed: 02/07/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21355 - EPA 3546 SVOA											
Blank (BB21355-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.05*		"	*1.66*		*63.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.999*		"	*1.66*		*60.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.686*		"	*0.831*		*82.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.587*		"	*0.831*		*70.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.32*		"	*1.66*		*79.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.649*		"	*0.831*		*78.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21355 - EPA 3546 SVOA											
LCS (BB21355-BS1) LCS									Prepared: 02/03/2022 Analyzed: 02/07/2022		
1,1-Biphenyl	0.597	0.0416	mg/kg wet	0.831		71.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.552	0.0830	"	0.831		66.5	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.494	0.0416	"	0.831		59.4	17-137				
2,3,4,6-Tetrachlorophenol	0.602	0.0830	"	0.831		72.4	30-130				
2,4,5-Trichlorophenol	0.584	0.0416	"	0.831		70.3	27-118				
2,4,6-Trichlorophenol	0.604	0.0416	"	0.831		72.7	31-120				
2,4-Dichlorophenol	0.633	0.0416	"	0.831		76.2	20-127				
2,4-Dimethylphenol	0.535	0.0416	"	0.831		64.4	14-132				
2,4-Dinitrophenol	0.176	0.0830	"	0.831		21.2	10-171				
2,4-Dinitrotoluene	0.635	0.0416	"	0.831		76.5	34-131				
2,6-Dinitrotoluene	0.664	0.0416	"	0.831		79.9	31-128				
2-Chloronaphthalene	0.518	0.0416	"	0.831		62.4	31-117				
2-Chlorophenol	0.513	0.0416	"	0.831		61.8	33-113				
2-Methylnaphthalene	0.584	0.0416	"	0.831		70.4	12-138				
2-Methylphenol	0.487	0.0416	"	0.831		58.7	10-136				
2-Nitroaniline	0.563	0.0830	"	0.831		67.8	27-132				
2-Nitrophenol	0.669	0.0416	"	0.831		80.5	17-129				
3- & 4-Methylphenols	0.471	0.0416	"	0.831		56.7	29-103				
3,3-Dichlorobenzidine	0.812	0.0416	"	0.831		97.8	22-149				
3-Nitroaniline	0.492	0.0830	"	0.831		59.2	20-133				
4,6-Dinitro-2-methylphenol	0.513	0.0830	"	0.831		61.8	10-143				
4-Bromophenyl phenyl ether	0.579	0.0416	"	0.831		69.7	29-120				
4-Chloro-3-methylphenol	0.612	0.0416	"	0.831		73.7	24-129				
4-Chloroaniline	0.393	0.0416	"	0.831		47.3	10-132				
4-Chlorophenyl phenyl ether	0.591	0.0416	"	0.831		71.2	27-124				
4-Nitroaniline	0.556	0.0830	"	0.831		67.0	16-128				
4-Nitrophenol	0.568	0.0830	"	0.831		68.4	10-141				
Acenaphthene	0.547	0.0416	"	0.831		65.8	30-121				
Acenaphthylene	0.516	0.0416	"	0.831		62.1	30-115				
Acetophenone	0.534	0.0416	"	0.831		64.3	20-112				
Aniline	0.559	0.166	"	0.831		67.3	10-119				
Anthracene	0.569	0.0416	"	0.831		68.6	34-118				
Atrazine	0.620	0.0416	"	0.831		74.6	26-112				
Benzaldehyde	0.500	0.0416	"	0.831		60.2	21-100				
Benzo(a)anthracene	0.597	0.0416	"	0.831		71.9	32-122				
Benzo(a)pyrene	0.578	0.0416	"	0.831		69.6	29-133				
Benzo(b)fluoranthene	0.608	0.0416	"	0.831		73.2	25-133				
Benzo(g,h,i)perylene	0.640	0.0416	"	0.831		77.0	10-143				
Benzo(k)fluoranthene	0.563	0.0416	"	0.831		67.8	25-128				
Benzoic acid	0.0940	0.0416	"	0.831		11.3	10-140				
Benzyl alcohol	0.535	0.0416	"	0.831		64.4	30-115				
Benzyl butyl phthalate	0.608	0.0416	"	0.831		73.2	26-126				
Bis(2-chloroethoxy)methane	0.508	0.0416	"	0.831		61.1	19-132				
Bis(2-chloroethyl)ether	0.449	0.0416	"	0.831		54.0	19-125				
Bis(2-chloroisopropyl)ether	0.406	0.0416	"	0.831		48.9	20-135				
Bis(2-ethylhexyl)phthalate	0.656	0.0416	"	0.831		79.0	10-155				
Caprolactam	0.590	0.0830	"	0.831		71.0	10-127				
Carbazole	0.524	0.0416	"	0.831		63.1	35-123				
Chrysene	0.522	0.0416	"	0.831		62.8	32-123				
Dibenzo(a,h)anthracene	0.668	0.0416	"	0.831		80.4	10-136				
Dibenzofuran	0.534	0.0416	"	0.831		64.3	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21355 - EPA 3546 SVOA											
LCS (BB21355-BS1) LCS								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Diethyl phthalate	0.600	0.0416	mg/kg wet	0.831		72.3	34-116				
Dimethyl phthalate	0.562	0.0416	"	0.831		67.7	35-124				
Di-n-butyl phthalate	0.568	0.0416	"	0.831		68.4	31-116				
Di-n-octyl phthalate	0.678	0.0416	"	0.831		81.6	26-136				
Diphenylamine	0.667	0.0830	"	0.831		80.4	40-140				
Fluoranthene	0.547	0.0416	"	0.831		65.9	33-122				
Fluorene	0.544	0.0416	"	0.831		65.4	29-123				
Hexachlorobenzene	0.593	0.0416	"	0.831		71.4	21-124				
Hexachlorobutadiene	0.671	0.0416	"	0.831		80.8	10-149				
Hexachlorocyclopentadiene	0.469	0.0416	"	0.831		56.5	10-129				
Hexachloroethane	0.529	0.0416	"	0.831		63.7	28-108				
Indeno(1,2,3-cd)pyrene	0.675	0.0416	"	0.831		81.3	10-135				
Isophorone	0.540	0.0416	"	0.831		65.0	20-132				
Naphthalene	0.520	0.0416	"	0.831		62.6	23-124				
Nitrobenzene	0.589	0.0416	"	0.831		70.9	13-132				
N-Nitrosodimethylamine	0.955	0.0416	"	0.831		115	11-129				
N-nitroso-di-n-propylamine	0.502	0.0416	"	0.831		60.5	24-119				
N-Nitrosodiphenylamine	0.639	0.0416	"	0.831		77.0	22-152				
Pentachlorophenol	0.407	0.0416	"	0.831		49.0	10-139				
Phenanthrene	0.539	0.0416	"	0.831		64.9	33-123				
Phenol	0.515	0.0416	"	0.831		62.0	23-115				
Pyrene	0.524	0.0416	"	0.831		63.0	24-130				
Pyridine	0.923	0.166	"	0.831		111	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.07*		*"*	*1.66*		*64.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.07*		*"*	*1.66*		*64.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.627*		*"*	*0.831*		*75.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.575*		*"*	*0.831*		*69.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.31*		*"*	*1.66*		*79.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.616*		*"*	*0.831*		*74.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21276 - EPA 3550C											
Blank (BB21276-BLK1) Blank								Prepared: 02/02/2022 Analyzed: 02/03/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*248*		*"*	*495*		*50.0*	*39-127.5*				
LCS (BB21276-BS1) LCS								Prepared: 02/02/2022 Analyzed: 02/03/2022			
1,4-Dioxane	587	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*39-127.5*				
Matrix Spike (BB21276-MS1) Matrix Spike *Source sample: 22B0047-01 (Matrix Spike)								Prepared: 02/02/2022 Analyzed: 02/07/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*198*		*"*	*495*		*40.0*	*40-130*				
Matrix Spike Dup (BB21276-M Matrix Spike Dup *Source sample: 22B0047-01 (Matrix Spike Dup)								Prepared: 02/02/2022 Analyzed: 02/07/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*198*		*"*	*495*		*40.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21282 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21282-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*69.9*		"	*74.3*		*94.1*	*25-150*				
Surrogate: M5PFHxA	*82.4*		"	*80.0*		*103*	*25-150*				
Surrogate: M4PFHpA	*80.2*		"	*80.0*		*100*	*25-150*				
Surrogate: M3PFHxS	*80.2*		"	*75.7*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.4*		"	*80.0*		*112*	*25-150*				
Surrogate: M6PFDA	*85.8*		"	*80.0*		*107*	*25-150*				
Surrogate: M7PFUdA	*78.8*		"	*80.0*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.8*		"	*80.0*		*76.0*	*25-150*				
Surrogate: M2PFTeDA	*53.2*		"	*80.0*		*66.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*73.4*		"	*80.0*		*91.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.9*		"	*76.6*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1*		"	*80.0*		*96.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.5*		"	*80.0*		*45.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.6*		"	*80.0*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*89.0*		"	*80.0*		*111*	*25-150*				
Surrogate: M2-6:2 FTS	*72.7*		"	*75.9*		*95.8*	*25-200*				
Surrogate: M2-8:2 FTS	*86.0*		"	*76.6*		*112*	*25-200*				
Surrogate: M9PFNA	*82.7*		"	*80.0*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21282 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21282-BS1) LCS									Prepared: 02/02/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	71.1	2.00	ng/L	70.8		100	50-130				
Perfluorohexanoic acid (PFHxA)	81.2	2.00	"	80.0		102	50-130				
Perfluoroheptanoic acid (PFHpA)	84.0	2.00	"	80.0		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.7	2.00	"	72.8		91.7	50-130				
Perfluorooctanoic acid (PFOA)	87.9	2.00	"	80.0		110	50-130				
Perfluorooctanesulfonic acid (PFOS)	78.7	2.00	"	74.0		106	50-130				
Perfluorononanoic acid (PFNA)	83.7	2.00	"	80.0		105	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	75.3	2.00	"	80.0		94.1	50-130				
Perfluorododecanoic acid (PFDoA)	81.7	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTrDA)	67.8	2.00	"	80.0		84.7	50-130				
Perfluorotetradecanoic acid (PFTA)	78.4	2.00	"	80.0		98.0	50-130				
N-MeFOSAA	80.3	2.00	"	80.0		100	50-130				
N-EtFOSAA	80.4	2.00	"	80.0		100	50-130				
Perfluoropentanoic acid (PFPeA)	78.5	2.00	"	80.0		98.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	79.1	2.00	"	80.0		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	72.5	2.00	"	76.4		94.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	64.2	2.00	"	77.2		83.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	69.5	5.00	"	76.0		91.4	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	81.9	2.00	"	76.8		107	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.0	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	*73.6*		*"*	*74.3*		*99.0*	*25-150*				
Surrogate: M5PFHxA	*86.3*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M4PFHpA	*83.2*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*86.2*		*"*	*75.7*		*114*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.1*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*83.1*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*78.9*		*"*	*80.0*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.9*		*"*	*80.0*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*35.9*		*"*	*80.0*		*44.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.2*		*"*	*80.0*		*98.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.9*		*"*	*76.6*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.6*		*"*	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.5*		*"*	*80.0*		*31.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*68.1*		*"*	*80.0*		*85.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: M2-6:2 FTS	*89.5*		*"*	*75.9*		*118*	*25-200*				
Surrogate: M2-8:2 FTS	*74.1*		*"*	*76.6*		*96.7*	*25-200*				
Surrogate: M9PFNA	*82.3*		*"*	*80.0*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB21282-MS1) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	78.0	1.95	ng/L	69.1	7.42	102	25-150				
Perfluorohexanoic acid (PFHxA)	96.9	1.95	"	78.1	15.8	104	25-150				
Perfluoroheptanoic acid (PFHpA)	126	1.95	"	78.1	16.2	140	25-150				
Perfluorohexanesulfonic acid (PFHxS)	58.9	1.95	"	71.1	2.76	78.9	25-150				
Perfluorooctanoic acid (PFOA)	81.4	1.95	"	78.1	15.2	84.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	119	1.95	"	72.3	25.4	129	25-150				
Perfluorononanoic acid (PFNA)	83.5	1.95	"	78.1	3.57	102	25-150				
Perfluorodecanoic acid (PFDA)	74.6	1.95	"	78.1	ND	95.5	25-150				
Perfluoroundecanoic acid (PFUnA)	72.9	1.95	"	78.1	ND	93.3	25-150				
Perfluorododecanoic acid (PFDoA)	77.7	1.95	"	78.1	ND	99.5	25-150				
Perfluorotridecanoic acid (PFTrDA)	74.4	1.95	"	78.1	ND	95.2	25-150				
Perfluorotetradecanoic acid (PFTA)	77.6	1.95	"	78.1	ND	99.4	25-150				
N-MeFOSAA	83.4	1.95	"	78.1	ND	107	25-150				
N-EtFOSAA	71.8	1.95	"	78.1	ND	91.9	25-150				
Perfluoropentanoic acid (PFPeA)	92.9	1.95	"	78.1	11.8	104	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	94.4	1.95	"	78.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	103	1.95	"	74.6	ND	139	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	69.3	1.95	"	75.4	ND	91.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.4	4.88	"	74.2	ND	90.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	74.9	1.95	"	75.0	ND	99.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	97.9	1.95	"	78.1	20.2	99.5	25-150				
Surrogate: M3PFBS	*49.7*		"	*72.6*		*68.5*	*25-150*				
Surrogate: M5PFHxA	*62.5*		"	*78.1*		*80.0*	*25-150*				
Surrogate: M4PFHpA	*43.5*		"	*78.1*		*55.7*	*25-150*				
Surrogate: M3PFHxS	*65.5*		"	*73.9*		*88.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.5*		"	*78.1*		*100*	*25-150*				
Surrogate: M6PFDA	*69.0*		"	*78.1*		*88.3*	*25-150*				
Surrogate: M7PFUdA	*55.9*		"	*78.1*		*71.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*51.9*		"	*78.1*		*66.5*	*25-150*				
Surrogate: M2PFTeDA	*43.0*		"	*78.1*		*55.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*49.2*		"	*78.1*		*62.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*53.0*		"	*74.8*		*70.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*59.6*		"	*78.1*		*76.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.53*		"	*78.1*		*3.24*	*10-150*				
Surrogate: d3-N-MeFOSAA	*58.4*		"	*78.1*		*74.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.8*		"	*78.1*		*76.5*	*25-150*				
Surrogate: M2-6:2 FTS	*96.3*		"	*74.1*		*130*	*25-200*				
Surrogate: M2-8:2 FTS	*79.3*		"	*74.8*		*106*	*25-200*				
Surrogate: M9PFNA	*64.8*		"	*78.1*		*82.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21282 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BB21282-M Matrix Spike Dup *Source sample: 22B0034-09 (Matrix Spike Dup) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	78.7	2.12	ng/L	75.0	7.42	95.0	25-150		0.891	35	
Perfluorohexanoic acid (PFHxA)	96.6	2.12	"	84.7	15.8	95.3	25-150		0.383	35	
Perfluoroheptanoic acid (PFHpA)	131	2.12	"	84.7	16.2	135	25-150		3.94	35	
Perfluorohexanesulfonic acid (PFHxS)	65.3	2.12	"	77.1	2.76	81.0	25-150		10.3	35	
Perfluorooctanoic acid (PFOA)	84.0	2.12	"	84.7	15.2	81.2	25-150		3.15	35	
Perfluorooctanesulfonic acid (PFOS)	118	2.12	"	78.4	25.4	118	25-150		0.542	35	
Perfluorononanoic acid (PFNA)	83.2	2.12	"	84.7	3.57	94.0	25-150		0.324	35	
Perfluorodecanoic acid (PFDA)	80.6	2.12	"	84.7	ND	95.2	25-150		7.77	35	
Perfluoroundecanoic acid (PFUnA)	79.0	2.12	"	84.7	ND	93.2	25-150		8.08	35	
Perfluorododecanoic acid (PFDoA)	84.0	2.12	"	84.7	ND	99.1	25-150		7.72	35	
Perfluorotridecanoic acid (PFTrDA)	74.0	2.12	"	84.7	ND	87.3	25-150		0.493	35	
Perfluorotetradecanoic acid (PFTA)	78.5	2.12	"	84.7	ND	92.6	25-150		1.07	35	
N-MeFOSAA	81.0	2.12	"	84.7	ND	95.6	25-150		2.95	35	
N-EtFOSAA	76.4	2.12	"	84.7	ND	90.2	25-150		6.21	35	
Perfluoropentanoic acid (PFPeA)	108	2.12	"	84.7	11.8	113	25-150		14.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	88.9	2.12	"	84.7	ND	105	25-150		6.03	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	114	2.12	"	80.9	ND	140	25-150		9.48	35	
Perfluoro-1-decanesulfonic acid (PFDS)	77.9	2.12	"	81.8	ND	95.2	25-150		11.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	80.5	5.30	"	80.5	ND	100	25-200		17.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	83.5	2.12	"	81.4	ND	103	25-200		10.9	35	
Perfluoro-n-butanoic acid (PFBA)	109	2.12	"	84.7	20.2	105	25-150		11.1	35	
Surrogate: M3PFBS	*62.3*		"	*78.7*		*79.2*	*25-150*				
Surrogate: M5PFHxA	*78.0*		"	*84.7*		*92.0*	*25-150*				
Surrogate: M4PFHpA	*52.9*		"	*84.7*		*62.4*	*25-150*				
Surrogate: M3PFHxS	*78.0*		"	*80.2*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*92.8*		"	*84.7*		*109*	*25-150*				
Surrogate: M6PFDA	*76.0*		"	*84.7*		*89.7*	*25-150*				
Surrogate: M7PFUdA	*64.0*		"	*84.7*		*75.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.4*		"	*84.7*		*68.9*	*25-150*				
Surrogate: M2PFTeDA	*44.7*		"	*84.7*		*52.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.0*		"	*84.7*		*69.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.8*		"	*81.1*		*78.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.9*		"	*84.7*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.33*		"	*84.7*		*3.94*	*10-150*				
Surrogate: d3-N-MeFOSAA	*72.3*		"	*84.7*		*85.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.1*		"	*84.7*		*79.2*	*25-150*				
Surrogate: M2-6:2 FTS	*110*		"	*80.4*		*137*	*25-200*				
Surrogate: M2-8:2 FTS	*84.2*		"	*81.2*		*104*	*25-200*				
Surrogate: M9PFNA	*76.3*		"	*84.7*		*90.0*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21294-BLK1) Blank									Prepared: 02/02/2022 Analyzed: 02/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.28*		"	*4.50*		*95.1*	*25-150*				
Surrogate: M5PFHxA	*4.64*		"	*4.84*		*95.8*	*25-150*				
Surrogate: M4PFHpA	*4.38*		"	*4.84*		*90.5*	*25-150*				
Surrogate: M3PFHxS	*4.53*		"	*4.58*		*98.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.16*		"	*4.84*		*85.9*	*25-150*				
Surrogate: M6PFDA	*4.88*		"	*4.84*		*101*	*25-150*				
Surrogate: M7PFUdA	*3.71*		"	*4.84*		*76.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.49*		"	*4.84*		*72.0*	*25-150*				
Surrogate: M2PFTeDA	*3.14*		"	*4.84*		*64.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.48*		"	*4.84*		*92.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.13*		"	*4.64*		*89.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.73*		"	*4.84*		*97.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.38*		"	*4.84*		*69.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.44*		"	*4.84*		*71.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.96*		"	*4.84*		*81.7*	*25-150*				
Surrogate: M2-6:2 FTS	*5.06*		"	*4.60*		*110*	*25-200*				
Surrogate: M2-8:2 FTS	*3.26*		"	*4.64*		*70.3*	*25-200*				
Surrogate: M9PFNA	*3.95*		"	*4.84*		*81.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21294-BS1) LCS								Prepared: 02/02/2022 Analyzed: 02/04/2022			
Perfluorobutanesulfonic acid (PFBS)	4.41	0.245	ug/kg wet	4.34		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.79	0.245	"	4.90		97.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.89	0.245	"	4.90		99.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.17	0.245	"	4.46		93.5	50-130				
Perfluorooctanoic acid (PFOA)	4.89	0.245	"	4.90		99.8	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.84	0.245	"	4.54		107	50-130				
Perfluorononanoic acid (PFNA)	4.72	0.245	"	4.90		96.3	50-130				
Perfluorodecanoic acid (PFDA)	4.57	0.245	"	4.90		93.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.81	0.245	"	4.90		98.1	50-130				
Perfluorododecanoic acid (PFDoA)	4.91	0.245	"	4.90		100	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.67	0.245	"	4.90		95.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.69	0.245	"	4.90		95.7	50-130				
N-MeFOSAA	5.68	0.245	"	4.90		116	50-130				
N-EtFOSAA	4.97	0.245	"	4.90		101	50-130				
Perfluoropentanoic acid (PFPeA)	4.77	0.245	"	4.90		97.4	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.67	0.245	"	4.90		116	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.78	0.245	"	4.68		102	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.67	0.245	"	4.73		98.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.86	0.245	"	4.66		104	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.00	0.245	"	4.71		106	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.88	0.245	"	4.90		99.5	50-130				
Surrogate: M3PFBS	*3.82*		"	*4.56*		*83.8*	*25-150*				
Surrogate: M5PFHxA	*4.29*		"	*4.90*		*87.5*	*25-150*				
Surrogate: M4PFHpA	*4.57*		"	*4.90*		*93.3*	*25-150*				
Surrogate: M3PFHxS	*4.34*		"	*4.64*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.42*		"	*4.90*		*90.2*	*25-150*				
Surrogate: M6PFDA	*4.27*		"	*4.90*		*87.0*	*25-150*				
Surrogate: M7PFUdA	*3.36*		"	*4.90*		*68.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.42*		"	*4.90*		*69.7*	*25-150*				
Surrogate: M2PFTeDA	*3.00*		"	*4.90*		*61.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.25*		"	*4.90*		*86.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.71*		"	*4.69*		*79.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.31*		"	*4.90*		*87.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.08*		"	*4.90*		*62.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.39*		"	*4.90*		*69.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.45*		"	*4.90*		*70.5*	*25-150*				
Surrogate: M2-6:2 FTS	*4.56*		"	*4.65*		*98.1*	*25-200*				
Surrogate: M2-8:2 FTS	*3.76*		"	*4.70*		*80.1*	*25-200*				
Surrogate: M9PFNA	*4.15*		"	*4.90*		*84.6*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21294-MS1) Matrix Spike *Source sample: 22B0024-01 (Matrix Spike) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.51	0.262	ug/kg dry	4.64	ND	97.3	25-150				
Perfluorohexanoic acid (PFHxA)	5.88	0.262	"	5.24	ND	112	25-150				
Perfluoroheptanoic acid (PFHpA)	5.60	0.262	"	5.24	ND	107	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.97	0.262	"	4.77	ND	83.3	25-150				
Perfluorooctanoic acid (PFOA)	6.00	0.262	"	5.24	ND	115	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.26	0.262	"	4.85	ND	129	25-150				
Perfluorononanoic acid (PFNA)	6.16	0.262	"	5.24	ND	117	25-150				
Perfluorodecanoic acid (PFDA)	5.29	0.262	"	5.24	ND	101	25-150				
Perfluoroundecanoic acid (PFUnA)	5.26	0.262	"	5.24	ND	100	25-150				
Perfluorododecanoic acid (PFDoA)	5.91	0.262	"	5.24	ND	113	25-150				
Perfluorotridecanoic acid (PFTrDA)	6.09	0.262	"	5.24	ND	116	25-150				
Perfluorotetradecanoic acid (PFTA)	5.52	0.262	"	5.24	ND	105	25-150				
N-MeFOSAA	6.53	0.262	"	5.24	ND	125	25-150				
N-EtFOSAA	5.21	0.262	"	5.24	ND	99.5	25-150				
Perfluoropentanoic acid (PFPeA)	5.28	0.262	"	5.24	ND	101	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.34	0.262	"	5.24	ND	102	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.21	0.262	"	5.00	ND	144	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.95	0.262	"	5.06	ND	98.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.19	0.262	"	4.98	ND	104	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.90	0.262	"	5.03	ND	117	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.63	0.262	"	5.24	ND	108	25-150				
Surrogate: M3PFBS	*3.93*		"	*4.87*		*80.7*	*25-150*				
Surrogate: M5PFHxA	*4.35*		"	*5.24*		*82.9*	*25-150*				
Surrogate: M4PFHpA	*4.64*		"	*5.24*		*88.6*	*25-150*				
Surrogate: M3PFHxS	*4.61*		"	*4.96*		*93.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.37*		"	*5.24*		*83.4*	*25-150*				
Surrogate: M6PFDA	*3.99*		"	*5.24*		*76.1*	*25-150*				
Surrogate: M7PFUdA	*3.40*		"	*5.24*		*64.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.17*		"	*5.24*		*60.5*	*25-150*				
Surrogate: M2PFTeDA	*3.29*		"	*5.24*		*62.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.36*		"	*5.24*		*83.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.10*		"	*5.01*		*61.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.43*		"	*5.24*		*84.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.24*		"	*5.24*		*61.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.31*		"	*5.24*		*63.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.48*		"	*5.24*		*66.5*	*25-150*				
Surrogate: M2-6:2 FTS	*4.26*		"	*4.97*		*85.8*	*25-200*				
Surrogate: M2-8:2 FTS	*3.36*		"	*5.02*		*67.0*	*25-200*				
Surrogate: M9PFNA	*3.89*		"	*5.24*		*74.2*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21294 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21294-M Matrix Spike Dup *Source sample: 22B0024-01 (Matrix Spike Dup) Prepared: 02/02/2022 Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.87	0.267	ug/kg dry	4.73	ND	103	25-150		7.71	35	
Perfluorohexanoic acid (PFHxA)	5.60	0.267	"	5.35	ND	105	25-150		4.85	35	
Perfluoroheptanoic acid (PFHpA)	5.59	0.267	"	5.35	ND	104	25-150		0.288	35	
Perfluorohexanesulfonic acid (PFHxS)	4.19	0.267	"	4.87	ND	86.0	25-150		5.29	35	
Perfluorooctanoic acid (PFOA)	5.72	0.267	"	5.35	ND	107	25-150		4.79	35	
Perfluorooctanesulfonic acid (PFOS)	5.33	0.267	"	4.95	ND	108	25-150		16.1	35	
Perfluorononanoic acid (PFNA)	6.10	0.267	"	5.35	ND	114	25-150		0.927	35	
Perfluorodecanoic acid (PFDA)	4.93	0.267	"	5.35	ND	92.2	25-150		7.08	35	
Perfluoroundecanoic acid (PFUnA)	5.23	0.267	"	5.35	ND	97.8	25-150		0.504	35	
Perfluorododecanoic acid (PFDoA)	5.43	0.267	"	5.35	ND	102	25-150		8.42	35	
Perfluorotridecanoic acid (PFTrDA)	5.71	0.267	"	5.35	ND	107	25-150		6.47	35	
Perfluorotetradecanoic acid (PFTA)	5.44	0.267	"	5.35	ND	102	25-150		1.40	35	
N-MeFOSAA	6.15	0.267	"	5.35	ND	115	25-150		5.98	35	
N-EtFOSAA	6.37	0.267	"	5.35	ND	119	25-150		20.1	35	
Perfluoropentanoic acid (PFPeA)	5.49	0.267	"	5.35	ND	103	25-150		3.92	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.24	0.267	"	5.35	ND	98.0	25-150		1.77	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.51	0.267	"	5.11	ND	108	25-150		26.7	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.32	0.267	"	5.16	ND	83.7	25-150		13.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.02	0.267	"	5.08	ND	98.8	25-200		3.23	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.33	0.267	"	5.14	ND	123	25-200		7.02	35	
Perfluoro-n-butanoic acid (PFBA)	5.55	0.267	"	5.35	ND	104	25-150		1.57	35	
Surrogate: M3PFBS	*3.56*		*"*	*4.97*		*71.7*	*25-150*				
Surrogate: M5PFHxA	*4.20*		*"*	*5.35*		*78.5*	*25-150*				
Surrogate: M4PFHpA	*4.36*		*"*	*5.35*		*81.5*	*25-150*				
Surrogate: M3PFHxS	*4.35*		*"*	*5.06*		*86.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.57*		*"*	*5.35*		*85.5*	*25-150*				
Surrogate: M6PFDA	*3.75*		*"*	*5.35*		*70.2*	*25-150*				
Surrogate: M7PFUdA	*3.40*		*"*	*5.35*		*63.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.47*		*"*	*5.35*		*64.9*	*25-150*				
Surrogate: M2PFTeDA	*3.34*		*"*	*5.35*		*62.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.22*		*"*	*5.35*		*78.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.57*		*"*	*5.12*		*69.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.27*		*"*	*5.35*		*79.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.12*		*"*	*5.35*		*58.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.19*		*"*	*5.35*		*59.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.96*		*"*	*5.35*		*55.3*	*25-150*				
Surrogate: M2-6:2 FTS	*4.54*		*"*	*5.08*		*89.3*	*25-200*				
Surrogate: M2-8:2 FTS	*2.94*		*"*	*5.12*		*57.4*	*25-200*				
Surrogate: M9PFNA	*3.77*		*"*	*5.35*		*70.5*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21395 - EPA 3550C											
Blank (BB21395-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0396*		*"*	*0.0664*		*59.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0378*		*"*	*0.0664*		*56.9*	*30-150*				
LCS (BB21395-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
4,4'-DDD	0.0212	0.00164	mg/kg wet	0.0332		63.7	40-140				
4,4'-DDE	0.0219	0.00164	"	0.0332		65.9	40-140				
4,4'-DDT	0.0138	0.00164	"	0.0332		41.5	40-140				
Aldrin	0.0226	0.00164	"	0.0332		67.9	40-140				
alpha-BHC	0.0241	0.00164	"	0.0332		72.6	40-140				
alpha-Chlordane	0.0219	0.00164	"	0.0332		65.9	40-140				
beta-BHC	0.0228	0.00164	"	0.0332		68.7	40-140				
delta-BHC	0.0222	0.00164	"	0.0332		66.8	40-140				
Dieldrin	0.0218	0.00164	"	0.0332		65.6	40-140				
Endosulfan I	0.0225	0.00164	"	0.0332		67.7	40-140				
Endosulfan II	0.0204	0.00164	"	0.0332		61.5	40-140				
Endosulfan sulfate	0.0182	0.00164	"	0.0332		54.6	40-140				
Endrin	0.0190	0.00164	"	0.0332		57.1	40-140				
Endrin aldehyde	0.0264	0.00164	"	0.0332		79.6	40-140				
Endrin ketone	0.0230	0.00164	"	0.0332		69.1	40-140				
gamma-BHC (Lindane)	0.0237	0.00164	"	0.0332		71.4	40-140				
gamma-Chlordane	0.0216	0.00164	"	0.0332		65.1	40-140				
Heptachlor	0.0193	0.00164	"	0.0332		58.2	40-140				
Heptachlor epoxide	0.0226	0.00164	"	0.0332		67.9	40-140				
Methoxychlor	0.0152	0.00164	"	0.0332		45.8	40-140				
Surrogate: Decachlorobiphenyl	*0.0322*		*"*	*0.0664*		*48.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0335*		*"*	*0.0664*		*50.4*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21395 - EPA 3550C											
Blank (BB21395-BLK2) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0558*		"	*0.0664*		*84.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0578*		"	*0.0664*		*87.0*	*30-150*				
LCS (BB21395-BS2) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.285	0.0166	mg/kg wet	0.332		85.9	40-140			30	
Aroclor 1260	0.313	0.0166	"	0.332		94.1	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0565*		"	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0598*		"	*0.0664*		*90.0*	*30-150*				
Matrix Spike (BB21395-MS2) Matrix Spike *Source sample: 22B0118-01 (Matrix Spike)									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.194	0.0208	mg/kg dry	0.416	ND	46.7	40-140			30	
Aroclor 1260	0.314	0.0208	"	0.416	ND	75.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0732*		"	*0.0832*		*88.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0707*		"	*0.0832*		*85.0*	*30-150*				
Matrix Spike Dup (BB21395-M Matrix Spike Dup *Source sample: 22B0118-01 (Matrix Spike Dup)									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.186	0.0208	mg/kg dry	0.416	ND	44.7	40-140		4.46	30	
Aroclor 1260	0.264	0.0208	"	0.416	ND	63.4	40-140		17.6	30	
Surrogate: Tetrachloro-m-xylene	*0.0649*		"	*0.0832*		*78.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0657*		"	*0.0832*		*79.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21350 - EPA 3550C/8151A											
Blank (BB21350-BLK1) Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.328*		*"*	*0.417*		*78.6*	*21-150*				
LCS (BB21350-BS1) LCS								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	0.0717	0.0200	mg/kg wet	0.133		53.8	10-120				
2,4,5-TP (Silvex)	0.0783	0.0200	"	0.133		58.8	10-120				
2,4-D	0.0792	0.0200	"	0.133		59.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.336*		*"*	*0.417*		*80.6*	*21-150*				
Matrix Spike (BB21350-MS1) Matrix Spike *Source sample: 22A1172-02 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias			
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias			
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias			
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0482*		*"*	*0.464*		*10.4*	*21-150*				
Matrix Spike Dup (BB21350-M Matrix Spike Dup *Source sample: 22A1172-02 (Matrix Spike Dup)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
2,4,5-T	ND	0.0223	mg/kg dry	0.148	ND		10-120	Low Bias		35	
2,4,5-TP (Silvex)	ND	0.0223	"	0.148	ND		10-120	Low Bias		35	
2,4-D	ND	0.0223	"	0.148	ND		10-118	Low Bias		35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0278*		*"*	*0.464*		*6.00*	*21-150*				
Batch BB21429 - EPA 3550C/8151A											
Blank (BB21429-BLK1) Blank								Prepared: 02/04/2022 Analyzed: 02/07/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.179*		*"*	*0.415*		*43.2*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21429 - EPA 3550C/8151A											
LCS (BB21429-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	0.0332	0.0199	mg/kg wet	0.133		25.0	10-120				
2,4,5-TP (Silvex)	0.0399	0.0199	"	0.133		30.0	10-120				
2,4-D	0.0390	0.0199	"	0.133		29.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.246*		*"*	*0.415*		*59.2*	*21-150*				
Matrix Spike (BB21429-MS1) Matrix Spike					*Source sample: 22B0118-01 (Matrix Spike)				Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	0.0967	0.0250	mg/kg dry	0.166	ND	58.1	10-120				
2,4,5-TP (Silvex)	0.101	0.0250	"	0.166	ND	60.6	10-120				
2,4-D	0.115	0.0250	"	0.166	ND	69.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.429*		*"*	*0.520*		*82.4*	*21-150*				
Matrix Spike Dup (BB21429-M Matrix Spike Dup					*Source sample: 22B0118-01 (Matrix Spike Dup)				Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	0.0874	0.0250	mg/kg dry	0.166	ND	52.5	10-120		10.2	35	
2,4,5-TP (Silvex)	0.0926	0.0250	"	0.166	ND	55.6	10-120		8.60	35	
2,4-D	0.101	0.0250	"	0.166	ND	60.6	10-118		13.5	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.411*		*"*	*0.520*		*79.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Blank (BB21373-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	21.5	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21373-DUP1) Duplicate *Source sample: 22B0118-01 (Duplicate)									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	8480	6.26	mg/kg dry		4530				60.7	35	Non-dir.
Antimony	ND	3.13	"		13.9					35	
Arsenic	9.96	1.88	"		4.91				67.9	35	Non-dir.
Barium	114	3.13	"		83.7				30.2	35	
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.376	"		ND					35	
Calcium	39800	6.26	"		4080				163	35	Non-dir.
Chromium	49.3	0.626	"		26.1				61.5	35	Non-dir.
Cobalt	19.6	0.501	"		10.9				57.1	35	Non-dir.
Copper	78.9	2.50	"		51.4				42.1	35	Non-dir.
Iron	22000	31.3	"		12900				52.4	35	Non-dir.
Lead	205	0.626	"		146				33.7	35	
Magnesium	10600	6.26	"		5840				57.9	35	Non-dir.
Manganese	498	0.626	"		206				82.8	35	Non-dir.
Nickel	296	1.25	"		139				72.2	35	Non-dir.
Potassium	1120	6.26	"		720				43.5	35	Non-dir.
Selenium	ND	3.13	"		ND					35	
Silver	ND	0.626	"		ND					35	
Sodium	306	62.6	"		217				33.8	35	
Thallium	ND	3.13	"		ND					35	
Vanadium	32.1	1.25	"		17.9				57.0	35	Non-dir.
Zinc	164	3.13	"		142				14.5	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Matrix Spike (BB21373-MS1) Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	5470	6.26	mg/kg dry	250	4530	375	75-125	High Bias			
Antimony	8.26	3.13	"	31.3	13.9	NR	75-125	Low Bias			
Arsenic	275	1.88	"	250	4.91	108	75-125				
Barium	377	3.13	"	250	83.7	117	75-125				
Beryllium	6.49	0.063	"	6.26	ND	104	75-125				
Cadmium	6.55	0.376	"	6.26	ND	105	75-125				
Calcium	29700	6.26	"	125	4080	NR	75-125	High Bias			
Chromium	56.9	0.626	"	25.0	26.1	123	75-125				
Cobalt	83.1	0.501	"	62.6	10.9	115	75-125				
Copper	88.3	2.50	"	31.3	51.4	118	75-125				
Iron	13800	31.3	"	125	12900	768	75-125	High Bias			
Lead	209	0.626	"	62.6	146	101	75-125				
Magnesium	8190	6.26	"	125	5840	NR	75-125	High Bias			
Manganese	356	0.626	"	62.6	206	239	75-125	High Bias			
Nickel	254	1.25	"	62.6	139	184	75-125	High Bias			
Potassium	837	6.26	"	125	720	93.7	75-125				
Selenium	234	3.13	"	250	ND	93.4	75-125				
Silver	11.1	0.626	"	6.26	ND	177	75-125	High Bias			
Sodium	317	62.6	"	125	217	79.7	75-125				
Thallium	253	3.13	"	250	ND	101	75-125				
Vanadium	92.4	1.25	"	62.6	17.9	119	75-125				
Zinc	220	3.13	"	62.6	142	126	75-125	High Bias			
Post Spike (BB21373-PS1) Post Spike	*Source sample: 22B0118-01 (Post Spike)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	39.4		ug/mL	2.00	36.2	160	75-125	High Bias			
Antimony	0.384		"	0.250	0.111	109	75-125				
Arsenic	2.08		"	2.00	0.039	102	75-125				
Barium	2.90		"	2.00	0.669	112	75-125				
Beryllium	0.049		"	0.0500	-0.004	98.0	75-125				
Cadmium	0.054		"	0.0500	0.001	106	75-125				
Calcium	33.3		"	1.00	32.6	71.8	75-125	Low Bias			
Chromium	0.416		"	0.200	0.209	104	75-125				
Cobalt	0.639		"	0.500	0.087	110	75-125				
Copper	0.659		"	0.250	0.411	99.4	75-125				
Iron	102		"	1.00	103	NR	75-125	Low Bias			
Lead	1.71		"	0.500	1.16	110	75-125				
Magnesium	47.2		"	1.00	46.6	56.3	75-125	Low Bias			
Manganese	2.18		"	0.500	1.65	106	75-125				
Nickel	1.63		"	0.500	1.11	104	75-125				
Potassium	7.03		"	1.00	5.75	128	75-125	High Bias			
Selenium	1.80		"	2.00	-0.024	89.9	75-125				
Silver	0.048		"	0.0500	0.003	89.6	75-125				
Sodium	2.82		"	1.00	1.74	108	75-125				
Thallium	2.03		"	2.00	-0.021	102	75-125				
Vanadium	0.682		"	0.500	0.143	108	75-125				
Zinc	1.61		"	0.500	1.13	95.0	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Reference (BB21373-SRM1) Reference								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Aluminum	10600	5.00	mg/kg wet	8130		130	49.9-150.1				
Antimony	98.2	2.50	"	134		73.2	19.3-250				
Arsenic	187	1.50	"	156		120	69.9-130.1				
Barium	310	2.50	"	239		130	74.9-124.7	High Bias			
Beryllium	199	0.050	"	169		117	75.1-125.4				
Cadmium	164	0.300	"	137		120	75.2-124.8				
Calcium	5590	5.00	"	4760		117	72.7-127.5				
Chromium	191	0.500	"	154		124	70.1-129.9				
Cobalt	152	0.400	"	121		126	75-124.8	High Bias			
Copper	71.1	2.00	"	54.9		130	74.9-125	High Bias			
Iron	18100	25.0	"	14100		129	34.9-164.5				
Lead	154	0.500	"	130		118	71.8-128.5				
Magnesium	2700	5.00	"	2320		117	62.1-137.9				
Manganese	341	0.500	"	269		127	74-126.4	High Bias			
Nickel	71.6	1.00	"	53.9		133	69.9-129.9	High Bias			
Potassium	2360	5.00	"	2020		117	58.9-141.1				
Selenium	151	2.50	"	167		90.3	67.7-132.3				
Silver	40.4	0.500	"	33.6		120	68.5-131.3				
Sodium	165	50.0	"	133		124	35-165.4				
Thallium	125	2.50	"	112		112	67.9-131.3				
Vanadium	80.0	1.00	"	62.6		128	59.1-141.1				
Zinc	195	2.50	"	158		123	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21546 - EPA 7473 soil											
Blank (BB21546-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21546-DUP1) Duplicate	*Source sample: 22B0106-09 (Duplicate)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	0.0496	0.0351	mg/kg dry		0.0516				3.94	35	
Matrix Spike (BB21546-MS1) Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	0.588		mg/kg	0.500	0.0440	109	75-125				
Reference (BB21546-SRM1) Reference									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	26.805		mg/kg	27.2		98.5	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21243 - Analysis Preparation Soil											
Blank (BB21243-BLK1) Blank								Prepared & Analyzed: 02/02/2022			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BB21243-DUP1) Duplicate	*Source sample: 22B0047-03 (Duplicate)							Prepared & Analyzed: 02/02/2022			
Cyanide, total	ND	0.591	mg/kg dry		ND					15	
Matrix Spike (BB21243-MS1) Matrix Spike	*Source sample: 22B0047-03 (Matrix Spike)							Prepared & Analyzed: 02/02/2022			
Cyanide, total	10.4	0.591	mg/kg dry	11.8	ND	88.1	79.6-107				
Reference (BB21243-SRM1) Reference								Prepared & Analyzed: 02/02/2022			
Cyanide, total	86.9		ug/mL	86.8		100	41.82-157.83				
Batch BB21252 - EPA SW846-3060											
Blank (BB21252-BLK1) Blank								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB21252-DUP1) Duplicate	*Source sample: 22B0047-01 (Duplicate)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	ND	0.575	mg/kg dry		ND					35	
Matrix Spike (BB21252-MS1) Matrix Spike	*Source sample: 22B0047-01 (Matrix Spike)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	20.6	0.575	mg/kg dry	23.0	ND	89.6	75-125				
Reference (BB21252-SRM1) Reference								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent	105		mg/L	109		96.0	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21271 - % Solids Prep											
Duplicate (BB21271-DUP1) Duplicate	*Source sample: 22B0044-06 (EP36_7.5)								Prepared & Analyzed: 02/02/2022		
% Solids	74.9	0.100	%		76.7				2.39	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0044-01	EP07_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0044-02	EP29_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0044-03	EP39_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0044-04	EP38_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0044-05	EP37_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0044-06	EP36_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0044

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 west 31st Street 8th flr New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kimberly Serno	Contact:	Contact:
E-mail: KSerno@Langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601 ~~1706106011~~ YMP

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	TAT	Analysis Requested	Container Description
EP07_7.5	S	2/1/22 0830		TCL/Part 375 VOCs and SVOCs, PCBs	8oz, 4oz, VOA set
EP29_7.5		0910		Pesticides, Herbicides, Metals including cyanide,	
EP39_7.5		1030		next + trivalent chromium, PFAS, 1,4-dioxane*	
EP38_7.5		1220		* Run for all Samples	
EP37_7.5		1330			
EP36_7.5		1400			
FB01_PFAS_02012022		1430		PFAS	

Comments: Please include lesmul@langan.com and maronica@langan.com on all correspondences

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature] Langan	2/1/22 1800	Andrew S. York	2/2/22 15:00	Andrew S. York	2/2/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[signature]	2/1/22	[signature]	2/1/22 1915		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[signature]	2/1/22 1915 / 4.5 Degrees C

Technical Report

prepared for:

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

Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0118

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

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Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0118

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 02, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0118-01	EP48_7.5	Soil	02/02/2022	02/02/2022
22B0118-02	EP49_7.5	Soil	02/02/2022	02/02/2022
22B0118-03	DUP01_2222	Soil	02/02/2022	02/02/2022
22B0118-04	FB01_2222	Water	02/02/2022	02/02/2022
22B0118-05	FB01_PFAS_2222	Water	02/02/2022	02/02/2022
22B0118-06	TB01_2222	Water	02/02/2022	02/02/2022

General Notes for York Project (SDG) No.: 22B0118

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

Approved By **Date:** 02/10/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**	ICV-E	mg/kg dry	0.0057	0.011	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	02/04/2022 06:49	02/04/2022 12:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*122 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0519**	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.123**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.156**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.319**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.366**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.352**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.237**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.283**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.320**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.0667**	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.103	0.206	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.596**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0989**	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.290**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.0964**	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.355**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.528**		mg/kg dry	0.0517	0.103	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*36.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*51.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*49.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*48.4 %*	*24-116*

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 12:07	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.285**		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL

Sample Information

Client Sample ID: **EP48_7.5** **York Sample ID:** **22B0118-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 17:33	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*75.2 %*		*25-150*
Surrogate: M5PFHxA	*85.1 %*		*25-150*
Surrogate: M4PFHpA	*59.0 %*		*25-150*
Surrogate: M3PFHxS	*78.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*		*25-150*
Surrogate: M6PFDA	*88.2 %*		*25-150*
Surrogate: M7PFUdA	*74.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.6 %*		*25-150*
Surrogate: M2PFTeDA	*54.6 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*75.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*48.0 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*96.2 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*99.3 %*		*25-150*
Surrogate: M2-6:2 FTS	*245 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*194 %*		*25-200*
Surrogate: M9PFNA	*106 %*		*25-150*

Pesticides, 8081 Alpha BHC

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:24	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:24	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:24	CM

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Pesticides, 8081 Alpha BHC

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.205	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0409	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:24	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.9 %*	*30-150*

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0207	1	EPA 8082A	02/04/2022 08:08	02/07/2022 16:55	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0248	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0248	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0248	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*63.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4530**		mg/kg dry	6.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**13.9**		mg/kg dry	3.13	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.91**		mg/kg dry	1.88	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**83.7**		mg/kg dry	3.13	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.376	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**4080**		mg/kg dry	6.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**26.1**		mg/kg dry	0.626	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.9**		mg/kg dry	0.501	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**51.4**		mg/kg dry	2.50	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12900**		mg/kg dry	31.3	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**146**		mg/kg dry	0.626	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5840**		mg/kg dry	6.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**206**		mg/kg dry	0.626	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**139**		mg/kg dry	1.25	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**720**	B	mg/kg dry	6.26	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.13	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.626	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**217**		mg/kg dry	62.6	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.13	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.9**		mg/kg dry	1.25	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**142**		mg/kg dry	3.13	1	EPA 6010D	02/03/2022 15:31	02/07/2022 17:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP48_7.5 **York Sample ID:** 22B0118-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:50 pm	02/02/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.311**		mg/kg dry	0.0376	1	EPA 7473	02/07/2022 21:42	02/08/2022 11:47	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.626	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**26.1**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.626	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.9**		%	0.100	1	SM 2540G	02/03/2022 13:54	02/03/2022 19:00	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP49_7.5** **York Sample ID:** **22B0118-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.013**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.054**		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C	02/07/2022 06:48	02/07/2022 21:26	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*119 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0567**	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0813**	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0507**	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.134**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.163**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.119**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.107**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.116**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.105**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.131**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.207**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.118**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0686**	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.160**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.216**		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/04/2022 08:11	02/08/2022 23:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*32.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*29.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*38.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*38.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*40.6 %*	*24-116*

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 12:24	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.800**		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.8 %*	*25-150*
Surrogate: M5PFHxA	*83.8 %*	*25-150*
Surrogate: M4PFHpA	*79.1 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.7 %*	*25-150*
Surrogate: M6PFDA	*86.3 %*	*25-150*
Surrogate: M7PFUdA	*82.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*69.9 %*	*25-150*
Surrogate: M2PFTeDA	*65.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*89.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*66.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*96.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*85.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*95.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*90.7 %*	*25-200*
Surrogate: M9PFNA	*72.1 %*	*25-150*

Pesticides, 8081 Alpha BHC

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:41	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:41	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/08/2022 18:41	CM

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Pesticides, 8081 Alpha BHC **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B	02/04/2022 08:08	02/08/2022 18:41	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*37.8 %*	*30-150*

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:23	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0221	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0221	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0221	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*87.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6690**		mg/kg dry	5.69	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.12**		mg/kg dry	2.84	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP49_7.5** **York Sample ID:** **22B0118-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.91**		mg/kg dry	1.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**81.3**		mg/kg dry	2.84	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.61**		mg/kg dry	0.341	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**9000**		mg/kg dry	5.69	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**17.0**		mg/kg dry	0.569	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.4**		mg/kg dry	0.455	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**45.0**		mg/kg dry	2.27	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**27400**		mg/kg dry	28.4	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**122**		mg/kg dry	0.569	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2720**	B	mg/kg dry	5.69	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**199**		mg/kg dry	0.569	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**55.0**		mg/kg dry	1.14	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**784**	B	mg/kg dry	5.69	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.569	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**465**		mg/kg dry	56.9	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.8**		mg/kg dry	1.14	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**415**		mg/kg dry	2.84	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP49_7.5 **York Sample ID:** 22B0118-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 1:40 pm	02/02/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.277**		mg/kg dry	0.0341	1	EPA 7473	02/07/2022 21:42	02/08/2022 12:55	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.569	1	EPA 7196A	02/03/2022 09:10	02/04/2022 16:07	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.0**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.569	1	EPA 9014/9010C	02/03/2022 17:50	02/03/2022 21:34	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.9**		%	0.100	1	SM 2540G	02/03/2022 13:54	02/03/2022 19:00	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.079	0.16	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.016**	ICV-E	mg/kg dry	0.0079	0.016	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.024	1	EPA 8260C	02/04/2022 06:49	02/04/2022 13:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*126 %*	S-03	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*		*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0601**	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0601**	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0609**	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.153**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.160**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.123**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0977**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.113**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.143**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.222**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.110**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0827**	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.199**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.247**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	02/04/2022 08:11	02/09/2022 00:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*39.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*33.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*42.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*47.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*45.1 %*	*24-116*

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 14:13	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.635**		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/03/2022 12:16	02/05/2022 18:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.0 %*	*25-150*
Surrogate: M5PFHxA	*96.2 %*	*25-150*
Surrogate: M4PFHpA	*92.4 %*	*25-150*
Surrogate: M3PFHxS	*97.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.8 %*	*25-150*
Surrogate: M6PFDA	*99.1 %*	*25-150*
Surrogate: M7PFUdA	*88.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.6 %*	*25-150*
Surrogate: M2PFTeDA	*69.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*92.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*94.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*111 %*	*25-200*
Surrogate: M2-8:2 FTS	*86.0 %*	*25-200*
Surrogate: M9PFNA	*109 %*	*25-150*

Pesticides, 8081 Alpha BHC

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 20:15	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 20:15	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2022 08:08	02/07/2022 20:15	CM

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Pesticides, 8081 Alpha BHC **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.187	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B	02/04/2022 08:08	02/07/2022 20:15	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.2 %*	*30-150*

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	02/04/2022 08:08	02/07/2022 17:36	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	02/04/2022 13:31	02/07/2022 21:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*95.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5050**		mg/kg dry	5.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.98**		mg/kg dry	1.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**58.6**		mg/kg dry	2.86	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3550**		mg/kg dry	5.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.571	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.69**		mg/kg dry	0.457	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**55.5**		mg/kg dry	2.28	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**10900**		mg/kg dry	28.6	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**107**		mg/kg dry	0.571	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3060**	B	mg/kg dry	5.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**84.2**		mg/kg dry	0.571	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**71.4**		mg/kg dry	1.14	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**570**	B	mg/kg dry	5.71	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**293**		mg/kg dry	57.1	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**25.5**		mg/kg dry	1.14	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**61.8**		mg/kg dry	2.86	1	EPA 6010D	02/03/2022 15:36	02/07/2022 18:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP01_2222 **York Sample ID:** 22B0118-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Soil	February 2, 2022 3:00 pm	02/02/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.300**		mg/kg dry	0.0343	1	EPA 7473	02/07/2022 21:42	02/08/2022 13:04	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	02/03/2022 09:10	02/04/2022 16:07	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.0**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	**Cyanide, total**	**0.572**		mg/kg dry	0.571	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.5**		%	0.100	1	SM 2540G	02/03/2022 13:54	02/03/2022 19:00	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**3.98**		ug/L	1.00	2.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/03/2022 06:17	02/03/2022 14:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D	02/08/2022 07:51	02/10/2022 10:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*39.5 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.7 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*87.6 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.6 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*95.8 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*79.9 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0700**		ug/L	0.0500	1	EPA 8270D SIM	02/08/2022 07:51	02/10/2022 12:42	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	02/03/2022 08:05	02/04/2022 12:42	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B	02/03/2022 13:35	02/06/2022 14:44	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.6 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A	02/03/2022 13:35	02/04/2022 17:44	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.0 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/04/2022 07:00	02/07/2022 15:52	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/04/2022 07:00	02/07/2022 15:52	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/04/2022 07:00	02/07/2022 15:52	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*68.8 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.479**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.200**	B	mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**0.0983**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.111**		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 14:42	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 13:54	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/07/2022 18:35	02/07/2022 18:35	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB01_2222 **York Sample ID:** 22B0118-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:15 pm	02/02/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/02/2022 20:26	02/02/2022 22:07	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/09/2022 18:42	02/09/2022 18:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/08/2022 09:05	02/08/2022 17:31	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_PFAS_2222** **York Sample ID:** **22B0118-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:25 pm	02/02/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/03/2022 12:11	02/05/2022 16:32	WL

Sample Information

Client Sample ID: **FB01_PFAS_2222** **York Sample ID:** **22B0118-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 2:25 pm	02/02/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	02/03/2022 12:11	02/05/2022 16:32	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.5 %*	*25-150*
Surrogate: M5PFHxA	*82.2 %*	*25-150*
Surrogate: M4PFHpA	*82.4 %*	*25-150*
Surrogate: M3PFHxS	*84.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.2 %*	*25-150*
Surrogate: M6PFDA	*79.5 %*	*25-150*
Surrogate: M7PFUdA	*78.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*69.2 %*	*25-150*
Surrogate: M2PFTeDA	*36.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*80.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*35.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*56.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*55.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*81.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*57.8 %*	*25-200*
Surrogate: M9PFNA	*90.8 %*	*25-150*

Sample Information

Client Sample ID: TB01_2222 **York Sample ID:** 22B0118-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 3:30 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**4.84**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_2222 **York Sample ID:** 22B0118-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 3:30 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	**2-Hexanone**	**0.810**	Cal-E	ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**3.35**		ug/L	1.00	2.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_2222 **York Sample ID:** 22B0118-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 3:30 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	**tert-Butyl alcohol (TBA)**	**2.58**		ug/L	0.500	1.00	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_2222 **York Sample ID:** 22B0118-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0118	170610601	Water	February 2, 2022 3:30 pm	02/02/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/03/2022 06:17	02/03/2022 13:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Analytical Batch Summary

Batch ID: BB21304 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/02/22
BB21304-BLK1	Blank	02/02/22
BB21304-BS1	LCS	02/02/22
BB21304-DUP1	Duplicate	02/02/22
BB21304-MS1	Matrix Spike	02/02/22

Batch ID: BB21315 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/03/22
BB21315-BLK1	Blank	02/03/22
BB21315-BS1	LCS	02/03/22
BB21315-MS1	Matrix Spike	02/03/22
BB21315-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21327 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-02	EP49_7.5	02/03/22
22B0118-03	DUP01_2222	02/03/22
BB21327-BLK1	Blank	02/03/22
BB21327-DUP1	Duplicate	02/03/22
BB21327-MS1	Matrix Spike	02/03/22
BB21327-SRM1	Reference	02/03/22

Batch ID: BB21342 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-05	FB01_PFAS_2222	02/03/22
BB21342-BLK1	Blank	02/03/22
BB21342-BS1	LCS	02/03/22
BB21342-MS1	Matrix Spike	02/03/22
BB21342-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21343 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/03/22
22B0118-02	EP49_7.5	02/03/22
22B0118-03	DUP01_2222	02/03/22
BB21343-BLK1	Blank	02/03/22
BB21343-BS1	LCS	02/03/22
BB21343-MS1	Matrix Spike	02/03/22

BB21343-MS2	Matrix Spike	02/03/22
BB21343-MSD1	Matrix Spike Dup	02/03/22
BB21343-MSD2	Matrix Spike Dup	02/03/22

Batch ID: BB21347 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/03/22
22B0118-04	FB01_2222	02/03/22
BB21347-BLK1	Blank	02/03/22
BB21347-BLK2	Blank	02/03/22
BB21347-BS1	LCS	02/03/22
BB21347-BS2	LCS	02/03/22
BB21347-MS2	Matrix Spike	02/03/22
BB21347-MSD2	Matrix Spike Dup	02/03/22

Batch ID: BB21349 **Preparation Method:** EPA 8151A **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/04/22
BB21349-BLK1	Blank	02/04/22
BB21349-BS1	LCS	02/04/22
BB21349-MS1	Matrix Spike	02/03/22
BB21349-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21358 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/03/22
22B0118-02	EP49_7.5	02/03/22
22B0118-03	DUP01_2222	02/03/22
BB21358-DUP1	Duplicate	02/03/22

Batch ID: BB21373 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/03/22
BB21373-BLK1	Blank	02/03/22
BB21373-DUP1	Duplicate	02/03/22
BB21373-MS1	Matrix Spike	02/03/22
BB21373-PS1	Post Spike	02/03/22
BB21373-SRM1	Reference	02/03/22

Batch ID: BB21374 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-02	EP49_7.5	02/03/22
22B0118-03	DUP01_2222	02/03/22

BB21374-BLK1	Blank	02/03/22
BB21374-DUP1	Duplicate	02/03/22
BB21374-MS1	Matrix Spike	02/03/22
BB21374-PS1	Post Spike	02/03/22
BB21374-SRM1	Reference	02/03/22

Batch ID: BB21382 **Preparation Method:** Analysis Preparation Soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-02	EP49_7.5	02/03/22
BB21382-BLK1	Blank	02/03/22
BB21382-DUP1	Duplicate	02/03/22
BB21382-MS1	Matrix Spike	02/03/22
BB21382-SRM1	Reference	02/03/22

Batch ID: BB21395 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
22B0118-01	EP48_7.5	02/04/22
22B0118-02	EP49_7.5	02/04/22
22B0118-02	EP49_7.5	02/04/22
22B0118-03	DUP01_2222	02/04/22
22B0118-03	DUP01_2222	02/04/22
BB21395-BLK1	Blank	02/04/22
BB21395-BLK2	Blank	02/04/22
BB21395-BS1	LCS	02/04/22
BB21395-BS2	LCS	02/04/22
BB21395-MS2	Matrix Spike	02/04/22
BB21395-MSD2	Matrix Spike Dup	02/04/22

Batch ID: BB21396 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
22B0118-02	EP49_7.5	02/04/22
22B0118-03	DUP01_2222	02/04/22
BB21396-BLK1	Blank	02/04/22
BB21396-BS1	LCS	02/04/22
BB21396-MS1	Matrix Spike	02/04/22
BB21396-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21398 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
22B0118-03	DUP01_2222	02/04/22
BB21398-BLK1	Blank	02/04/22
BB21398-DUP1	Duplicate	02/04/22

BB21398-MS1	Matrix Spike	02/04/22
BB21398-SRM1	Reference	02/04/22

Batch ID: BB21404 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
BB21404-BLK1	Blank	02/04/22
BB21404-DUP1	Duplicate	02/04/22
BB21404-MS1	Matrix Spike	02/04/22
BB21404-SRM1	Reference	02/04/22

Batch ID: BB21429 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
22B0118-02	EP49_7.5	02/04/22
22B0118-03	DUP01_2222	02/04/22
BB21429-BLK1	Blank	02/04/22
BB21429-BS1	LCS	02/04/22
BB21429-MS1	Matrix Spike	02/04/22
BB21429-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21440 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/04/22
22B0118-03	DUP01_2222	02/04/22
BB21440-BLK1	Blank	02/04/22
BB21440-BS1	LCS	02/04/22
BB21440-BSD1	LCS Dup	02/04/22
BB21440-MS1	Matrix Spike	02/04/22
BB21440-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21457 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/05/22
22B0118-02	EP49_7.5	02/05/22
22B0118-03	DUP01_2222	02/05/22
BB21457-BLK1	Blank	02/05/22
BB21457-BS1	LCS	02/05/22

Batch ID: BB21502 **Preparation Method:** EPA 5030B **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/03/22
22B0118-06	TB01_2222	02/03/22

BB21502-BLK1	Blank	02/03/22
BB21502-BS1	LCS	02/03/22
BB21502-BSD1	LCS Dup	02/03/22
BB21502-MS1	Matrix Spike	02/03/22
BB21502-MSD1	Matrix Spike Dup	02/03/22

Batch ID: BB21529 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-02	EP49_7.5	02/07/22
BB21529-BLK1	Blank	02/07/22
BB21529-BLK2	Blank	02/07/22
BB21529-BLK3	Blank	02/07/22
BB21529-BS1	LCS	02/07/22
BB21529-BSD1	LCS Dup	02/07/22

Batch ID: BB21536 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/07/22
BB21536-BLK1	Blank	02/07/22
BB21536-BS1	LCS	02/07/22
BB21536-DUP1	Duplicate	02/07/22
BB21536-MS1	Matrix Spike	02/07/22

Batch ID: BB21547 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/07/22
22B0118-02	EP49_7.5	02/07/22
22B0118-03	DUP01_2222	02/07/22
BB21547-BLK1	Blank	02/07/22
BB21547-DUP1	Duplicate	02/07/22
BB21547-MS1	Matrix Spike	02/07/22
BB21547-SRM1	Reference	02/07/22

Batch ID: BB21548 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/08/22
BB21548-BLK2	Blank	02/08/22
BB21548-BS2	LCS	02/08/22

Batch ID: BB21556 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/08/22
BB21556-BLK1	Blank	02/08/22

BB21556-BS1	LCS	02/08/22
BB21556-DUP1	Duplicate	02/08/22
BB21556-MS1	Matrix Spike	02/08/22

Batch ID: BB21562 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/08/22
BB21562-BLK1	Blank	02/08/22
BB21562-BS1	LCS	02/08/22
BB21562-DUP1	Duplicate	02/08/22
BB21562-MS1	Matrix Spike	02/08/22

Batch ID: BB21595 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/08/22
BB21595-BLK1	Blank	02/08/22
BB21595-BS1	LCS	02/08/22
BB21595-DUP1	Duplicate	02/08/22
BB21595-MS1	Matrix Spike	02/08/22
BB21595-PS1	Post Spike	02/08/22

Batch ID: BB21662 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-01	EP48_7.5	02/09/22
22B0118-02	EP49_7.5	02/09/22
22B0118-03	DUP01_2222	02/09/22

Batch ID: BB21690 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0118-04	FB01_2222	02/09/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
Blank (BB21440-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
Blank (BB21440-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*57.2*		*ug/L*	*50.0*		*114*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*76-130*				
LCS (BB21440-BS1) LCS									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	54.1		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	56.9		"	50.0		114	71-137				
1,1,2,2-Tetrachloroethane	43.8		"	50.0		87.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.8		"	50.0		95.6	58-146				
1,1,2-Trichloroethane	46.3		"	50.0		92.6	83-123				
1,1-Dichloroethane	44.4		"	50.0		88.9	75-130				
1,1-Dichloroethylene	48.7		"	50.0		97.5	64-137				
1,2,3-Trichlorobenzene	50.8		"	50.0		102	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	52.7		"	50.0		105	80-141				
1,2,4-Trimethylbenzene	49.5		"	50.0		99.0	84-125				
1,2-Dibromo-3-chloropropane	53.2		"	50.0		106	74-142				
1,2-Dibromoethane	50.4		"	50.0		101	86-123				
1,2-Dichlorobenzene	49.6		"	50.0		99.2	85-122				
1,2-Dichloroethane	53.4		"	50.0		107	71-133				
1,2-Dichloropropane	42.8		"	50.0		85.6	81-122				
1,3,5-Trimethylbenzene	48.8		"	50.0		97.7	82-126				
1,3-Dichlorobenzene	48.9		"	50.0		97.9	84-124				
1,4-Dichlorobenzene	48.9		"	50.0		97.8	84-124				
1,4-Dioxane	1040		"	1050		98.7	10-228				
2-Butanone	41.8		"	50.0		83.7	58-147				
2-Hexanone	46.8		"	50.0		93.7	70-139				
4-Methyl-2-pentanone	45.2		"	50.0		90.4	72-132				
Acetone	39.0		"	50.0		78.0	36-155				
Acrolein	25.5		"	50.0		51.0	10-238				
Acrylonitrile	40.8		"	50.0		81.5	66-141				
Benzene	42.8		"	50.0		85.6	77-127				
Bromochloromethane	43.0		"	50.0		85.9	74-129				
Bromodichloromethane	54.6		"	50.0		109	81-124				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
LCS (BB21440-BS1) LCS							Prepared & Analyzed: 02/04/2022				
Bromoform	56.6		ug/L	50.0		113	80-136				
Bromomethane	74.9		"	50.0		150	32-177				
Carbon disulfide	48.4		"	50.0		96.7	10-136				
Carbon tetrachloride	61.8		"	50.0		124	66-143				
Chlorobenzene	50.9		"	50.0		102	86-120				
Chloroethane	60.0		"	50.0		120	51-142				
Chloroform	52.1		"	50.0		104	76-131				
Chloromethane	34.4		"	50.0		68.8	49-132				
cis-1,2-Dichloroethylene	46.7		"	50.0		93.4	74-132				
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129				
Cyclohexane	39.7		"	50.0		79.4	70-130				
Dibromochloromethane	57.7		"	50.0		115	10-200				
Dibromomethane	49.9		"	50.0		99.8	83-124				
Dichlorodifluoromethane	48.0		"	50.0		96.0	28-158				
Ethyl Benzene	50.4		"	50.0		101	84-125				
Hexachlorobutadiene	56.5		"	50.0		113	83-133				
Isopropylbenzene	49.5		"	50.0		99.0	81-127				
Methyl acetate	35.3		"	50.0		70.6	41-143				
Methyl tert-butyl ether (MTBE)	44.5		"	50.0		89.1	74-131				
Methylcyclohexane	44.3		"	50.0		88.6	70-130				
Methylene chloride	42.8		"	50.0		85.7	57-141				
n-Butylbenzene	52.4		"	50.0		105	80-130				
n-Propylbenzene	47.9		"	50.0		95.7	74-136				
o-Xylene	52.4		"	50.0		105	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	51.2		"	50.0		102	85-125				
sec-Butylbenzene	48.1		"	50.0		96.2	83-125				
Styrene	47.5		"	50.0		95.1	86-126				
tert-Butyl alcohol (TBA)	235		"	250		94.0	70-130				
tert-Butylbenzene	50.1		"	50.0		100	80-127				
Tetrachloroethylene	45.5		"	50.0		91.1	80-129				
Toluene	46.9		"	50.0		93.8	85-121				
trans-1,2-Dichloroethylene	46.0		"	50.0		92.0	72-132				
trans-1,3-Dichloropropylene	52.6		"	50.0		105	78-132				
Trichloroethylene	50.4		"	50.0		101	84-123				
Trichlorofluoromethane	70.7		"	50.0		141	62-140	High Bias			
Vinyl Chloride	45.6		"	50.0		91.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.7*		*"*	*50.0*		*117*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21440 - EPA 5035A

LCS Dup (BB21440-BSD1) LCS Dup — Prepared & Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	54.1		ug/L	50.0		108	75-129		0.129	30	
1,1,1-Trichloroethane	55.0		"	50.0		110	71-137		3.52	30	
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.6	79-129		2.32	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.1		"	50.0		96.2	58-146		0.626	30	
1,1,2-Trichloroethane	45.4		"	50.0		90.9	83-123		1.92	30	
1,1-Dichloroethane	43.2		"	50.0		86.4	75-130		2.85	30	
1,1-Dichloroethylene	47.2		"	50.0		94.4	64-137		3.19	30	
1,2,3-Trichlorobenzene	50.3		"	50.0		101	81-140		0.890	30	
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126		0.139	30	
1,2,4-Trichlorobenzene	52.2		"	50.0		104	80-141		0.896	30	
1,2,4-Trimethylbenzene	48.2		"	50.0		96.5	84-125		2.62	30	
1,2-Dibromo-3-chloropropane	53.2		"	50.0		106	74-142		0.0564	30	
1,2-Dibromoethane	50.2		"	50.0		100	86-123		0.378	30	
1,2-Dichlorobenzene	48.2		"	50.0		96.4	85-122		2.88	30	
1,2-Dichloroethane	52.1		"	50.0		104	71-133		2.48	30	
1,2-Dichloropropane	42.0		"	50.0		83.9	81-122		2.01	30	
1,3,5-Trimethylbenzene	47.7		"	50.0		95.4	82-126		2.34	30	
1,3-Dichlorobenzene	48.4		"	50.0		96.8	84-124		1.13	30	
1,4-Dichlorobenzene	48.5		"	50.0		97.0	84-124		0.739	30	
1,4-Dioxane	1090		"	1050		104	10-228		5.23	30	
2-Butanone	43.5		"	50.0		87.0	58-147		3.82	30	
2-Hexanone	45.4		"	50.0		90.9	70-139		3.03	30	
4-Methyl-2-pentanone	45.1		"	50.0		90.2	72-132		0.244	30	
Acetone	39.0		"	50.0		78.0	36-155		0.0769	30	
Acrolein	30.5		"	50.0		61.0	10-238		17.8	30	
Acrylonitrile	38.8		"	50.0		77.6	66-141		4.95	30	
Benzene	42.7		"	50.0		85.4	77-127		0.210	30	
Bromochloromethane	41.6		"	50.0		83.1	74-129		3.34	30	
Bromodichloromethane	52.4		"	50.0		105	81-124		4.13	30	
Bromoform	57.6		"	50.0		115	80-136		1.73	30	
Bromomethane	70.5		"	50.0		141	32-177		6.11	30	
Carbon disulfide	47.6		"	50.0		95.1	10-136		1.67	30	
Carbon tetrachloride	59.2		"	50.0		118	66-143		4.38	30	
Chlorobenzene	49.6		"	50.0		99.1	86-120		2.71	30	
Chloroethane	55.5		"	50.0		111	51-142		7.72	30	
Chloroform	50.9		"	50.0		102	76-131		2.35	30	
Chloromethane	33.8		"	50.0		67.5	49-132		1.82	30	
cis-1,2-Dichloroethylene	45.1		"	50.0		90.2	74-132		3.44	30	
cis-1,3-Dichloropropylene	49.3		"	50.0		98.6	81-129		4.17	30	
Cyclohexane	38.5		"	50.0		77.0	70-130		3.02	30	
Dibromochloromethane	56.5		"	50.0		113	10-200		2.15	30	
Dibromomethane	49.0		"	50.0		98.0	83-124		1.78	30	
Dichlorodifluoromethane	46.8		"	50.0		93.6	28-158		2.51	30	
Ethyl Benzene	47.9		"	50.0		95.7	84-125		5.19	30	
Hexachlorobutadiene	54.8		"	50.0		110	83-133		3.00	30	
Isopropylbenzene	47.8		"	50.0		95.5	81-127		3.60	30	
Methyl acetate	35.7		"	50.0		71.4	41-143		1.24	30	
Methyl tert-butyl ether (MTBE)	45.3		"	50.0		90.6	74-131		1.71	30	
Methylcyclohexane	42.6		"	50.0		85.1	70-130		4.03	30	
Methylene chloride	41.4		"	50.0		82.9	57-141		3.32	30	
n-Butylbenzene	50.1		"	50.0		100	80-130		4.47	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
LCS Dup (BB21440-BSD1) LCS Dup								Prepared & Analyzed: 02/04/2022			
n-Propylbenzene	46.1		ug/L	50.0		92.2	74-136		3.77	30	
o-Xylene	50.7		"	50.0		101	83-123		3.33	30	
p- & m- Xylenes	98.7		"	100		98.7	82-128		5.76	30	
p-Isopropyltoluene	49.2		"	50.0		98.4	85-125		3.98	30	
sec-Butylbenzene	46.7		"	50.0		93.4	83-125		3.02	30	
Styrene	46.1		"	50.0		92.3	86-126		3.01	30	
tert-Butyl alcohol (TBA)	249		"	250		99.8	70-130		5.98	30	
tert-Butylbenzene	49.0		"	50.0		98.0	80-127		2.28	30	
Tetrachloroethylene	44.4		"	50.0		88.7	80-129		2.60	30	
Toluene	45.5		"	50.0		91.1	85-121		2.96	30	
trans-1,2-Dichloroethylene	45.5		"	50.0		91.0	72-132		1.05	30	
trans-1,3-Dichloropropylene	51.5		"	50.0		103	78-132		2.11	30	
Trichloroethylene	48.2		"	50.0		96.4	84-123		4.32	30	
Trichlorofluoromethane	65.8		"	50.0		132	62-140		7.14	30	
Vinyl Chloride	43.8		"	50.0		87.6	52-130		4.11	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.7*		*"*	*50.0*		*117*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.6*	*76-130*				
Matrix Spike (BB21440-MS1) Matrix Spike *Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/04/2022 Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0	0.00	93.7	15-161				
1,1,1-Trichloroethane	41.8		"	50.0	0.00	83.6	42-145				
1,1,2,2-Tetrachloroethane	57.6		"	50.0	0.00	115	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.2		"	50.0	0.00	84.4	11-160				
1,1,2-Trichloroethane	43.6		"	50.0	0.00	87.2	44-145				
1,1-Dichloroethane	38.8		"	50.0	0.00	77.7	46-142				
1,1-Dichloroethylene	36.1		"	50.0	0.00	72.3	30-153				
1,2,3-Trichlorobenzene	19.0		"	50.0	0.00	38.1	10-157				
1,2,3-Trichloropropane	57.9		"	50.0	0.00	116	38-155				
1,2,4-Trichlorobenzene	18.0		"	50.0	0.00	36.1	10-151				
1,2,4-Trimethylbenzene	47.6		"	50.0	0.00	95.2	10-170				
1,2-Dibromo-3-chloropropane	43.6		"	50.0	0.00	87.1	36-138				
1,2-Dibromoethane	32.8		"	50.0	0.00	65.6	40-142				
1,2-Dichlorobenzene	35.3		"	50.0	0.00	70.6	10-147				
1,2-Dichloroethane	34.2		"	50.0	0.00	68.4	48-133				
1,2-Dichloropropane	49.1		"	50.0	0.00	98.1	47-141				
1,3,5-Trimethylbenzene	51.0		"	50.0	0.00	102	10-150				
1,3-Dichlorobenzene	31.6		"	50.0	0.00	63.2	10-144				
1,4-Dichlorobenzene	29.1		"	50.0	0.00	58.2	10-160				
1,4-Dioxane	1390		"	1050	0.00	132	10-191				
2-Butanone	34.5		"	50.0	0.00	68.9	10-189				
2-Hexanone	39.3		"	50.0	0.00	78.6	10-181				
4-Methyl-2-pentanone	50.6		"	50.0	0.00	101	10-166				
Acetone	32.2		"	50.0	10.3	43.7	10-196				
Acrolein	3.64		"	50.0	0.00	7.28	10-192	Low Bias			
Acrylonitrile	33.2		"	50.0	0.00	66.3	13-161				
Benzene	37.7		"	50.0	0.00	75.5	43-139				
Bromochloromethane	32.7		"	50.0	0.00	65.4	38-145				
Bromodichloromethane	44.7		"	50.0	0.00	89.4	38-147				
Bromoform	38.1		"	50.0	0.00	76.2	29-156				
Bromomethane	36.0		"	50.0	0.00	72.1	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
Matrix Spike (BB21440-MS1) Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)							Prepared: 02/04/2022 Analyzed: 02/07/2022			
Carbon disulfide	28.4		ug/L	50.0	0.00	56.8	10-131				
Carbon tetrachloride	41.3		"	50.0	0.00	82.6	35-145				
Chlorobenzene	35.0		"	50.0	0.00	69.9	21-154				
Chloroethane	37.2		"	50.0	0.00	74.5	15-160				
Chloroform	39.2		"	50.0	0.00	78.4	47-142				
Chloromethane	42.8		"	50.0	0.00	85.5	10-159				
cis-1,2-Dichloroethylene	32.4		"	50.0	0.00	64.7	42-144				
cis-1,3-Dichloropropylene	32.7		"	50.0	0.00	65.4	18-159				
Cyclohexane	32.5		"	50.0	0.00	65.0	70-130	Low Bias			
Dibromochloromethane	41.0		"	50.0	0.00	82.1	10-179				
Dibromomethane	35.3		"	50.0	0.00	70.6	47-143				
Dichlorodifluoromethane	38.7		"	50.0	0.00	77.3	10-145				
Ethyl Benzene	38.7		"	50.0	0.00	77.3	11-158				
Hexachlorobutadiene	19.9		"	50.0	0.00	39.8	10-158				
Isopropylbenzene	58.1		"	50.0	0.00	116	10-162				
Methyl acetate	41.4		"	50.0	0.00	82.8	10-149				
Methyl tert-butyl ether (MTBE)	46.9		"	50.0	0.00	93.7	42-152				
Methylcyclohexane	39.9		"	50.0	0.00	79.7	70-130				
Methylene chloride	38.1		"	50.0	0.00	76.1	28-151				
n-Butylbenzene	30.6		"	50.0	0.00	61.2	10-162				
n-Propylbenzene	45.2		"	50.0	0.00	90.3	10-155				
o-Xylene	43.1		"	50.0	0.00	86.3	10-158				
p- & m- Xylenes	75.3		"	100	0.00	75.3	10-156				
p-Isopropyltoluene	43.7		"	50.0	0.00	87.4	10-147				
sec-Butylbenzene	44.7		"	50.0	0.00	89.4	10-157				
Styrene	30.4		"	50.0	0.00	60.8	13-171				
tert-Butyl alcohol (TBA)	155		"	250	0.00	61.8	34-179				
tert-Butylbenzene	46.9		"	50.0	0.00	93.8	10-160				
Tetrachloroethylene	35.7		"	50.0	0.00	71.4	30-167				
Toluene	39.5		"	50.0	0.00	78.9	21-160				
trans-1,2-Dichloroethylene	29.2		"	50.0	0.00	58.3	29-153				
trans-1,3-Dichloropropylene	24.6		"	50.0	0.00	49.3	18-155				
Trichloroethylene	37.3		"	50.0	0.00	74.7	24-169				
Trichlorofluoromethane	41.1		"	50.0	0.00	82.1	35-142				
Vinyl Chloride	35.2		"	50.0	0.00	70.3	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*57.4*		*"*	*50.0*		*115*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*59.7*		*"*	*50.0*		*119*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
Matrix Spike Dup (BB21440-M Matrix Spike Dup	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/04/2022 Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	45.8		ug/L	50.0	0.00	91.6	15-161		2.31	33	
1,1,1-Trichloroethane	40.6		"	50.0	0.00	81.2	42-145		2.94	30	
1,1,2,2-Tetrachloroethane	57.8		"	50.0	0.00	116	16-167		0.312	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.4		"	50.0	0.00	78.8	11-160		6.89	31	
1,1,2-Trichloroethane	42.7		"	50.0	0.00	85.4	44-145		2.11	40	
1,1-Dichloroethane	36.9		"	50.0	0.00	73.8	46-142		5.20	36	
1,1-Dichloroethylene	30.7		"	50.0	0.00	61.4	30-153		16.3	31	
1,2,3-Trichlorobenzene	18.1		"	50.0	0.00	36.1	10-157		5.23	47	
1,2,3-Trichloropropane	58.6		"	50.0	0.00	117	38-155		1.06	48	
1,2,4-Trichlorobenzene	17.2		"	50.0	0.00	34.4	10-151		4.82	52	
1,2,4-Trimethylbenzene	46.6		"	50.0	0.00	93.1	10-170		2.21	242	
1,2-Dibromo-3-chloropropane	41.5		"	50.0	0.00	83.0	36-138		4.87	54	
1,2-Dibromoethane	29.8		"	50.0	0.00	59.6	40-142		9.68	39	
1,2-Dichlorobenzene	33.0		"	50.0	0.00	66.0	10-147		6.76	52	
1,2-Dichloroethane	30.8		"	50.0	0.00	61.5	48-133		10.6	32	
1,2-Dichloropropane	49.4		"	50.0	0.00	98.8	47-141		0.711	37	
1,3,5-Trimethylbenzene	50.0		"	50.0	0.00	100	10-150		1.96	62	
1,3-Dichlorobenzene	29.6		"	50.0	0.00	59.3	10-144		6.37	51	
1,4-Dichlorobenzene	26.8		"	50.0	0.00	53.6	10-160		8.12	52	
1,4-Dioxane	1390		"	1050	0.00	133	10-191		0.370	196	
2-Butanone	37.9		"	50.0	0.00	75.9	10-189		9.56	67	
2-Hexanone	41.3		"	50.0	0.00	82.6	10-181		5.01	60	
4-Methyl-2-pentanone	55.4		"	50.0	0.00	111	10-166		9.05	47	
Acetone	32.4		"	50.0	10.7	43.3	10-196		0.620	150	
Acrolein	0.00		"	50.0	0.00		10-192	Low Bias	200	128	Non-dir.
Acrylonitrile	32.4		"	50.0	0.00	64.8	13-161		2.29	48	
Benzene	34.0		"	50.0	0.00	68.0	43-139		10.3	64	
Bromochloromethane	28.1		"	50.0	0.00	56.1	38-145		15.2	30	
Bromodichloromethane	43.3		"	50.0	0.00	86.5	38-147		3.21	37	
Bromoform	35.2		"	50.0	0.00	70.4	29-156		7.86	51	
Bromomethane	33.3		"	50.0	0.00	66.5	10-166		7.99	42	
Carbon disulfide	24.7		"	50.0	0.00	49.5	10-131		13.8	36	
Carbon tetrachloride	39.4		"	50.0	0.00	78.9	35-145		4.61	31	
Chlorobenzene	31.7		"	50.0	0.00	63.3	21-154		9.90	32	
Chloroethane	33.3		"	50.0	0.00	66.6	15-160		11.2	40	
Chloroform	35.6		"	50.0	0.00	71.1	47-142		9.66	29	
Chloromethane	42.6		"	50.0	0.00	85.3	10-159		0.258	31	
cis-1,2-Dichloroethylene	28.3		"	50.0	0.00	56.6	42-144		13.5	30	
cis-1,3-Dichloropropylene	29.0		"	50.0	0.00	58.1	18-159		11.9	39	
Cyclohexane	29.8		"	50.0	0.00	59.6	70-130	Low Bias	8.60	30	
Dibromochloromethane	38.9		"	50.0	0.00	77.8	10-179		5.33	41	
Dibromomethane	31.5		"	50.0	0.00	63.0	47-143		11.4	41	
Dichlorodifluoromethane	37.1		"	50.0	0.00	74.3	10-145		4.06	34	
Ethyl Benzene	35.6		"	50.0	0.00	71.3	11-158		8.10	42	
Hexachlorobutadiene	20.0		"	50.0	0.00	40.0	10-158		0.551	45	
Isopropylbenzene	57.9		"	50.0	0.00	116	10-162		0.379	57	
Methyl acetate	41.3		"	50.0	0.00	82.5	10-149		0.339	64	
Methyl tert-butyl ether (MTBE)	47.0		"	50.0	0.00	94.1	42-152		0.383	47	
Methylcyclohexane	37.5		"	50.0	0.00	75.1	70-130		5.99	30	
Methylene chloride	34.0		"	50.0	0.00	68.0	28-151		11.2	49	
n-Butylbenzene	30.8		"	50.0	0.00	61.6	10-162		0.717	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21440 - EPA 5035A											
Matrix Spike Dup (BB21440-M Matrix Spike Dup	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/04/2022 Analyzed: 02/07/2022		
n-Propylbenzene	42.9		ug/L	50.0	0.00	85.7	10-155		5.23	56	
o-Xylene	41.0		"	50.0	0.00	82.0	10-158		5.09	51	
p- & m- Xylenes	70.4		"	100	0.00	70.4	10-156		6.71	47	
p-Isopropyltoluene	42.0		"	50.0	0.00	84.1	10-147		3.89	60	
sec-Butylbenzene	43.6		"	50.0	0.00	87.1	10-157		2.61	56	
Styrene	27.4		"	50.0	0.00	54.8	13-171		10.4	39	
tert-Butyl alcohol (TBA)	157		"	250	0.00	62.7	34-179		1.34	35	
tert-Butylbenzene	46.9		"	50.0	0.00	93.8	10-160		0.0426	79	
Tetrachloroethylene	33.1		"	50.0	0.00	66.2	30-167		7.59	33	
Toluene	37.5		"	50.0	0.00	75.1	21-160		5.01	50	
trans-1,2-Dichloroethylene	24.4		"	50.0	0.00	48.9	29-153		17.7	30	
trans-1,3-Dichloropropylene	21.8		"	50.0	0.00	43.5	18-155		12.4	30	
Trichloroethylene	33.7		"	50.0	0.00	67.3	24-169		10.3	30	
Trichlorofluoromethane	38.6		"	50.0	0.00	77.1	35-142		6.31	30	
Vinyl Chloride	32.3		"	50.0	0.00	64.7	12-160		8.39	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*59.7*		*"*	*50.0*		*119*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*59.5*		*"*	*50.0*		*119*	*76-130*				
Batch BB21502 - EPA 5030B											
Blank (BB21502-BLK1) Blank									Prepared & Analyzed: 02/03/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
Blank (BB21502-BLK1) Blank									Prepared & Analyzed: 02/03/2022		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
LCS (BB21502-BS1) LCS							Prepared & Analyzed: 02/03/2022				
1,1,1,2-Tetrachloroethane	9.47		ug/L	10.0		94.7	82-126				
1,1,1-Trichloroethane	9.61		"	10.0		96.1	78-136				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	9.35		"	10.0		93.5	82-123				
1,1-Dichloroethane	10.2		"	10.0		102	82-129				
1,1-Dichloroethylene	11.3		"	10.0		113	68-138				
1,2,3-Trichlorobenzene	7.68		"	10.0		76.8	76-136				
1,2,3-Trichloropropane	9.71		"	10.0		97.1	77-128				
1,2,4-Trichlorobenzene	8.12		"	10.0		81.2	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	9.88		"	10.0		98.8	45-147				
1,2-Dibromoethane	9.32		"	10.0		93.2	83-124				
1,2-Dichlorobenzene	9.96		"	10.0		99.6	79-123				
1,2-Dichloroethane	9.87		"	10.0		98.7	73-132				
1,2-Dichloropropane	11.1		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	9.40		"	10.0		94.0	86-122				
1,4-Dichlorobenzene	9.63		"	10.0		96.3	85-124				
1,4-Dioxane	226		"	210		108	10-349				
2-Butanone	9.89		"	10.0		98.9	49-152				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145				
Acetone	10.3		"	10.0		103	14-150				
Acrolein	5.57		"	10.0		55.7	10-153				
Acrylonitrile	11.7		"	10.0		117	51-150				
Benzene	10.1		"	10.0		101	85-126				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	9.70		"	10.0		97.0	79-128				
Bromoform	8.45		"	10.0		84.5	78-133				
Bromomethane	4.14		"	10.0		41.4	43-168	Low Bias			
Carbon disulfide	11.2		"	10.0		112	68-146				
Carbon tetrachloride	9.82		"	10.0		98.2	77-141				
Chlorobenzene	10.3		"	10.0		103	88-120				
Chloroethane	11.5		"	10.0		115	65-136				
Chloroform	9.80		"	10.0		98.0	82-128				
Chloromethane	11.1		"	10.0		111	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	9.88		"	10.0		98.8	80-131				
Cyclohexane	8.23		"	10.0		82.3	63-149				
Dibromochloromethane	8.79		"	10.0		87.9	80-130				
Dibromomethane	9.50		"	10.0		95.0	72-134				
Dichlorodifluoromethane	19.1		"	10.0		191	44-144	High Bias			
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	9.89		"	10.0		98.9	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl acetate	9.26		"	10.0		92.6	51-139				
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	10.0		"	10.0		100	55-137				
n-Butylbenzene	11.1		"	10.0		111	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
LCS (BB21502-BS1) LCS								Prepared & Analyzed: 02/03/2022			
n-Propylbenzene	11.3		ug/L	10.0		113	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	18.7		"	20.0		93.5	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	10.2		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	41.7		"	50.0		83.4	25-162				
tert-Butylbenzene	8.42		"	10.0		84.2	77-138				
Tetrachloroethylene	9.05		"	10.0		90.5	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.59		"	10.0		95.9	78-131				
Trichloroethylene	9.87		"	10.0		98.7	82-128				
Trichlorofluoromethane	12.1		"	10.0		121	67-139				
Vinyl Chloride	14.6		"	10.0		146	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.98*		*"*	*10.0*		*99.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS Dup (BB21502-BSD1) LCS Dup								Prepared & Analyzed: 02/03/2022			
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126		1.92	30	
1,1,1-Trichloroethane	9.37		"	10.0		93.7	78-136		2.53	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		1.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165		4.47	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	82-123		2.95	30	
1,1-Dichloroethane	9.94		"	10.0		99.4	82-129		2.58	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		4.42	30	
1,2,3-Trichlorobenzene	8.07		"	10.0		80.7	76-136		4.95	30	
1,2,3-Trichloropropane	9.85		"	10.0		98.5	77-128		1.43	30	
1,2,4-Trichlorobenzene	8.21		"	10.0		82.1	76-137		1.10	30	
1,2,4-Trimethylbenzene	9.80		"	10.0		98.0	82-132		5.46	30	
1,2-Dibromo-3-chloropropane	9.70		"	10.0		97.0	45-147		1.84	30	
1,2-Dibromoethane	9.75		"	10.0		97.5	83-124		4.51	30	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	79-123		2.64	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		1.91	30	
1,2-Dichloropropane	10.9		"	10.0		109	78-126		1.92	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		5.70	30	
1,3-Dichlorobenzene	9.00		"	10.0		90.0	86-122		4.35	30	
1,4-Dichlorobenzene	9.23		"	10.0		92.3	85-124		4.24	30	
1,4-Dioxane	241		"	210		115	10-349		6.16	30	
2-Butanone	10.5		"	10.0		105	49-152		6.08	30	
2-Hexanone	11.2		"	10.0		112	51-146		8.21	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		8.08	30	
Acetone	10.8		"	10.0		108	14-150		5.31	30	
Acrolein	5.94		"	10.0		59.4	10-153		6.43	30	
Acrylonitrile	12.6		"	10.0		126	51-150		7.33	30	
Benzene	9.92		"	10.0		99.2	85-126		2.00	30	
Bromochloromethane	10.2		"	10.0		102	77-128		0.584	30	
Bromodichloromethane	9.65		"	10.0		96.5	79-128		0.517	30	
Bromoform	8.92		"	10.0		89.2	78-133		5.41	30	
Bromomethane	3.82		"	10.0		38.2	43-168	Low Bias	8.04	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
LCS Dup (BB21502-BSD1) LCS Dup								Prepared & Analyzed: 02/03/2022			
Carbon disulfide	10.6		ug/L	10.0		106	68-146		5.25	30	
Carbon tetrachloride	9.47		"	10.0		94.7	77-141		3.63	30	
Chlorobenzene	10.1		"	10.0		101	88-120		1.87	30	
Chloroethane	10.8		"	10.0		108	65-136		6.11	30	
Chloroform	9.62		"	10.0		96.2	82-128		1.85	30	
Chloromethane	9.58		"	10.0		95.8	43-155		14.3	30	
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	83-129		2.09	30	
cis-1,3-Dichloropropylene	9.86		"	10.0		98.6	80-131		0.203	30	
Cyclohexane	8.00		"	10.0		80.0	63-149		2.83	30	
Dibromochloromethane	9.00		"	10.0		90.0	80-130		2.36	30	
Dibromomethane	9.80		"	10.0		98.0	72-134		3.11	30	
Dichlorodifluoromethane	17.1		"	10.0		171	44-144	High Bias	11.1	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		2.68	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		3.77	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		6.45	30	
Methyl acetate	10.0		"	10.0		100	51-139		7.68	30	
Methyl tert-butyl ether (MTBE)	9.72		"	10.0		97.2	76-135		3.99	30	
Methylcyclohexane	10.8		"	10.0		108	72-143		2.48	30	
Methylene chloride	9.85		"	10.0		98.5	55-137		1.71	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		4.33	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		6.22	30	
o-Xylene	10.5		"	10.0		105	78-130		1.80	30	
p- & m- Xylenes	18.3		"	20.0		91.4	77-133		2.33	30	
p-Isopropyltoluene	9.88		"	10.0		98.8	81-136		5.32	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		5.55	30	
Styrene	10.1		"	10.0		101	67-132		1.28	30	
tert-Butyl alcohol (TBA)	47.8		"	50.0		95.6	25-162		13.6	30	
tert-Butylbenzene	7.89		"	10.0		78.9	77-138		6.50	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		2.35	30	
Toluene	10.2		"	10.0		102	80-127		2.62	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.56	30	
trans-1,3-Dichloropropylene	9.80		"	10.0		98.0	78-131		2.17	30	
Trichloroethylene	9.61		"	10.0		96.1	82-128		2.67	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		7.82	30	
Vinyl Chloride	12.9		"	10.0		129	58-145		12.3	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21502 - EPA 5030B

Matrix Spike (BB21502-MS1) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike) Prepared & Analyzed: 02/03/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	8.42		ug/L	10.0	0.00	84.2	45-161				
1,1,1-Trichloroethane	9.04		"	10.0	0.00	90.4	70-146				
1,1,2,2-Tetrachloroethane	9.59		"	10.0	0.00	95.9	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57		"	10.0	0.00	95.7	21-217				
1,1,2-Trichloroethane	8.72		"	10.0	0.00	87.2	59-146				
1,1-Dichloroethane	9.41		"	10.0	0.00	94.1	54-146				
1,1-Dichloroethylene	10.6		"	10.0	0.00	106	44-165				
1,2,3-Trichlorobenzene	6.93		"	10.0	0.00	69.3	40-161				
1,2,3-Trichloropropane	8.77		"	10.0	0.00	87.7	74-127				
1,2,4-Trichlorobenzene	6.93		"	10.0	0.00	69.3	41-161				
1,2,4-Trimethylbenzene	8.72		"	10.0	0.00	87.2	72-129				
1,2-Dibromo-3-chloropropane	7.42		"	10.0	0.00	74.2	31-151				
1,2-Dibromoethane	8.82		"	10.0	0.00	88.2	75-125				
1,2-Dichlorobenzene	8.43		"	10.0	0.00	84.3	63-122				
1,2-Dichloroethane	9.08		"	10.0	0.00	90.8	68-131				
1,2-Dichloropropane	10.2		"	10.0	0.00	102	77-121				
1,3,5-Trimethylbenzene	8.90		"	10.0	0.00	89.0	69-126				
1,3-Dichlorobenzene	7.75		"	10.0	0.00	77.5	74-119				
1,4-Dichlorobenzene	7.89		"	10.0	0.00	78.9	70-124				
1,4-Dioxane	219		"	210	0.00	104	10-310				
2-Butanone	9.52		"	10.0	0.310	92.1	10-193				
2-Hexanone	13.4		"	10.0	0.00	134	53-133	High Bias			
4-Methyl-2-pentanone	9.94		"	10.0	0.00	99.4	38-150				
Acetone	11.4		"	10.0	2.76	86.2	13-149				
Acrolein	4.41		"	10.0	0.00	44.1	10-195				
Acrylonitrile	9.33		"	10.0	0.00	93.3	37-165				
Benzene	9.69		"	10.0	0.300	93.9	38-155				
Bromochloromethane	9.37		"	10.0	0.00	93.7	75-121				
Bromodichloromethane	8.89		"	10.0	0.00	88.9	70-129				
Bromoform	7.46		"	10.0	0.00	74.6	66-136				
Bromomethane	2.01		"	10.0	0.00	20.1	30-158	Low Bias			
Carbon disulfide	10.3		"	10.0	0.380	99.6	10-138				
Carbon tetrachloride	8.96		"	10.0	0.00	89.6	71-146				
Chlorobenzene	9.23		"	10.0	0.00	92.3	81-117				
Chloroethane	10.5		"	10.0	0.00	105	51-145				
Chloroform	9.88		"	10.0	0.810	90.7	80-124				
Chloromethane	8.96		"	10.0	0.00	89.6	16-163				
cis-1,2-Dichloroethylene	9.15		"	10.0	0.00	91.5	76-125				
cis-1,3-Dichloropropylene	8.71		"	10.0	0.00	87.1	58-131				
Cyclohexane	7.65		"	10.0	0.180	74.7	70-130				
Dibromochloromethane	8.01		"	10.0	0.00	80.1	71-129				
Dibromomethane	8.87		"	10.0	0.00	88.7	76-120				
Dichlorodifluoromethane	15.0		"	10.0	0.00	150	30-147	High Bias			
Ethyl Benzene	10.1		"	10.0	0.00	101	72-128				
Hexachlorobutadiene	9.72		"	10.0	0.00	97.2	34-166				
Isopropylbenzene	9.59		"	10.0	0.160	94.3	66-139				
Methyl acetate	8.36		"	10.0	0.00	83.6	10-200				
Methyl tert-butyl ether (MTBE)	8.68		"	10.0	0.00	86.8	75-128				
Methylcyclohexane	9.52		"	10.0	0.00	95.2	70-130				
Methylene chloride	9.31		"	10.0	0.780	85.3	57-128				
n-Butylbenzene	9.25		"	10.0	0.00	92.5	61-138				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
Matrix Spike (BB21502-MS1) Matrix Spike	*Source sample: 22B0034-09 (Matrix Spike)								Prepared & Analyzed: 02/03/2022		
n-Propylbenzene	9.63		ug/L	10.0	0.00	96.3	66-134				
o-Xylene	9.77		"	10.0	0.00	97.7	69-126				
p- & m- Xylenes	16.9		"	20.0	0.00	84.5	67-130				
p-Isopropyltoluene	8.71		"	10.0	0.210	85.0	64-137				
sec-Butylbenzene	9.17		"	10.0	0.00	91.7	53-155				
Styrene	9.27		"	10.0	0.00	92.7	69-125				
tert-Butyl alcohol (TBA)	45.4		"	50.0	0.00	90.8	10-130				
tert-Butylbenzene	7.31		"	10.0	0.00	73.1	65-139				
Tetrachloroethylene	7.85		"	10.0	0.00	78.5	64-139				
Toluene	9.74		"	10.0	0.150	95.9	76-123				
trans-1,2-Dichloroethylene	9.70		"	10.0	0.00	97.0	79-131				
trans-1,3-Dichloropropylene	8.47		"	10.0	0.00	84.7	55-130				
Trichloroethylene	9.10		"	10.0	0.00	91.0	53-145				
Trichlorofluoromethane	10.6		"	10.0	0.00	106	61-142				
Vinyl Chloride	12.3		"	10.0	0.00	123	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Matrix Spike Dup (BB21502-M Matrix Spike Dup	*Source sample: 22B0034-09 (Matrix Spike Dup)								Prepared & Analyzed: 02/03/2022		
1,1,1,2-Tetrachloroethane	8.98		ug/L	10.0	0.00	89.8	45-161		6.44	30	
1,1,1-Trichloroethane	9.64		"	10.0	0.00	96.4	70-146		6.42	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0	0.00	101	74-121		5.18	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0	0.00	105	21-217		9.55	30	
1,1,2-Trichloroethane	9.28		"	10.0	0.00	92.8	59-146		6.22	30	
1,1-Dichloroethane	10.0		"	10.0	0.00	100	54-146		6.48	30	
1,1-Dichloroethylene	11.3		"	10.0	0.00	113	44-165		5.94	30	
1,2,3-Trichlorobenzene	7.70		"	10.0	0.00	77.0	40-161		10.5	30	
1,2,3-Trichloropropane	9.25		"	10.0	0.00	92.5	74-127		5.33	30	
1,2,4-Trichlorobenzene	7.81		"	10.0	0.00	78.1	41-161		11.9	30	
1,2,4-Trimethylbenzene	9.50		"	10.0	0.00	95.0	72-129		8.56	30	
1,2-Dibromo-3-chloropropane	7.76		"	10.0	0.00	77.6	31-151		4.48	30	
1,2-Dibromoethane	9.38		"	10.0	0.00	93.8	75-125		6.15	30	
1,2-Dichlorobenzene	9.12		"	10.0	0.00	91.2	63-122		7.86	30	
1,2-Dichloroethane	9.61		"	10.0	0.00	96.1	68-131		5.67	30	
1,2-Dichloropropane	11.0		"	10.0	0.00	110	77-121		7.44	30	
1,3,5-Trimethylbenzene	9.71		"	10.0	0.00	97.1	69-126		8.71	30	
1,3-Dichlorobenzene	8.38		"	10.0	0.00	83.8	74-119		7.81	30	
1,4-Dichlorobenzene	8.60		"	10.0	0.00	86.0	70-124		8.61	30	
1,4-Dioxane	210		"	210	0.00	100	10-310		3.95	30	
2-Butanone	9.95		"	10.0	0.310	96.4	10-193		4.42	30	
2-Hexanone	13.6		"	10.0	0.00	136	53-133	High Bias	1.26	30	
4-Methyl-2-pentanone	10.5		"	10.0	0.00	105	38-150		5.10	30	
Acetone	12.3		"	10.0	2.76	95.4	13-149		7.77	30	
Acrolein	5.03		"	10.0	0.00	50.3	10-195		13.1	30	
Acrylonitrile	9.82		"	10.0	0.00	98.2	37-165		5.12	30	
Benzene	10.3		"	10.0	0.300	99.8	38-155		5.91	30	
Bromochloromethane	9.80		"	10.0	0.00	98.0	75-121		4.49	30	
Bromodichloromethane	9.52		"	10.0	0.00	95.2	70-129		6.84	30	
Bromoform	7.97		"	10.0	0.00	79.7	66-136		6.61	30	
Bromomethane	3.29		"	10.0	0.00	32.9	30-158		48.3	30	Non-dir.

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21502 - EPA 5030B											
Matrix Spike Dup (BB21502-M Matrix Spike Dup	*Source sample: 22B0034-09 (Matrix Spike Dup)							Prepared & Analyzed: 02/03/2022			
Carbon disulfide	11.1		ug/L	10.0	0.380	108	10-138		7.36	30	
Carbon tetrachloride	9.65		"	10.0	0.00	96.5	71-146		7.42	30	
Chlorobenzene	9.88		"	10.0	0.00	98.8	81-117		6.80	30	
Chloroethane	11.0		"	10.0	0.00	110	51-145		5.29	30	
Chloroform	10.5		"	10.0	0.810	96.5	80-124		5.70	30	
Chloromethane	9.72		"	10.0	0.00	97.2	16-163		8.14	30	
cis-1,2-Dichloroethylene	9.72		"	10.0	0.00	97.2	76-125		6.04	30	
cis-1,3-Dichloropropylene	9.26		"	10.0	0.00	92.6	58-131		6.12	30	
Cyclohexane	8.44		"	10.0	0.180	82.6	70-130		9.82	30	
Dibromochloromethane	8.51		"	10.0	0.00	85.1	71-129		6.05	30	
Dibromomethane	9.52		"	10.0	0.00	95.2	76-120		7.07	30	
Dichlorodifluoromethane	15.8		"	10.0	0.00	158	30-147	High Bias	4.68	30	
Ethyl Benzene	10.9		"	10.0	0.00	109	72-128		7.64	30	
Hexachlorobutadiene	10.7		"	10.0	0.00	107	34-166		9.22	30	
Isopropylbenzene	10.3		"	10.0	0.160	101	66-139		7.14	30	
Methyl acetate	8.96		"	10.0	0.00	89.6	10-200		6.93	30	
Methyl tert-butyl ether (MTBE)	9.21		"	10.0	0.00	92.1	75-128		5.93	30	
Methylcyclohexane	10.7		"	10.0	0.00	107	70-130		11.9	30	
Methylene chloride	9.83		"	10.0	0.780	90.5	57-128		5.43	30	
n-Butylbenzene	10.4		"	10.0	0.00	104	61-138		12.0	30	
n-Propylbenzene	10.5		"	10.0	0.00	105	66-134		8.64	30	
o-Xylene	10.5		"	10.0	0.00	105	69-126		7.11	30	
p- & m- Xylenes	18.3		"	20.0	0.00	91.4	67-130		7.85	30	
p-Isopropyltoluene	9.55		"	10.0	0.210	93.4	64-137		9.20	30	
sec-Butylbenzene	10.0		"	10.0	0.00	100	53-155		8.96	30	
Styrene	9.94		"	10.0	0.00	99.4	69-125		6.98	30	
tert-Butyl alcohol (TBA)	48.3		"	50.0	0.00	96.7	10-130		6.27	30	
tert-Butylbenzene	7.91		"	10.0	0.00	79.1	65-139		7.88	30	
Tetrachloroethylene	8.61		"	10.0	0.00	86.1	64-139		9.23	30	
Toluene	10.4		"	10.0	0.150	102	76-123		6.46	30	
trans-1,2-Dichloroethylene	10.4		"	10.0	0.00	104	79-131		7.06	30	
trans-1,3-Dichloropropylene	9.06		"	10.0	0.00	90.6	55-130		6.73	30	
Trichloroethylene	10.1		"	10.0	0.00	101	53-145		10.8	30	
Trichlorofluoromethane	11.4		"	10.0	0.00	114	61-142		6.64	30	
Vinyl Chloride	13.2		"	10.0	0.00	132	31-165		6.76	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK1) Blank								Prepared & Analyzed: 02/07/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
Blank (BB21529-BLK2) HB-22B0118								Prepared & Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK2) HB-22B0118									Prepared & Analyzed: 02/07/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.7*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK3) HB-22B0233									Prepared & Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK3) HB-22B0233								Prepared & Analyzed: 02/07/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*"*	*50.0*		*104*	*76-130*				
LCS (BB21529-BS1) LCS								Prepared & Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		99.1	75-129				
1,1,1-Trichloroethane	47.4		"	50.0		94.7	71-137				
1,1,2,2-Tetrachloroethane	50.8		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.2		"	50.0		100	58-146				
1,1,2-Trichloroethane	47.9		"	50.0		95.8	83-123				
1,1-Dichloroethane	45.8		"	50.0		91.6	75-130				
1,1-Dichloroethylene	49.7		"	50.0		99.4	64-137				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	49.6		"	50.0		99.3	81-126				
1,2,4-Trichlorobenzene	54.6		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	51.8		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	50.8		"	50.0		102	74-142				
1,2-Dibromoethane	50.0		"	50.0		100	86-123				
1,2-Dichlorobenzene	49.8		"	50.0		99.6	85-122				
1,2-Dichloroethane	46.9		"	50.0		93.9	71-133				
1,2-Dichloropropane	50.9		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126				
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124				
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,4-Dioxane	1270		"	1050		121	10-228				
2-Butanone	45.4		"	50.0		90.8	58-147				
2-Hexanone	49.7		"	50.0		99.5	70-139				
4-Methyl-2-pentanone	53.4		"	50.0		107	72-132				
Acetone	26.0		"	50.0		52.1	36-155				
Acrolein	27.7		"	50.0		55.5	10-238				
Acrylonitrile	45.1		"	50.0		90.3	66-141				
Benzene	46.4		"	50.0		92.8	77-127				
Bromochloromethane	46.1		"	50.0		92.2	74-129				
Bromodichloromethane	50.7		"	50.0		101	81-124				
Bromoform	53.9		"	50.0		108	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS (BB21529-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Bromomethane	48.3		ug/L	50.0		96.5	32-177				
Carbon disulfide	52.9		"	50.0		106	10-136				
Carbon tetrachloride	48.8		"	50.0		97.6	66-143				
Chlorobenzene	51.3		"	50.0		103	86-120				
Chloroethane	47.2		"	50.0		94.3	51-142				
Chloroform	46.8		"	50.0		93.5	76-131				
Chloromethane	51.3		"	50.0		103	49-132				
cis-1,2-Dichloroethylene	46.9		"	50.0		93.8	74-132				
cis-1,3-Dichloropropylene	52.5		"	50.0		105	81-129				
Cyclohexane	39.8		"	50.0		79.7	70-130				
Dibromochloromethane	50.4		"	50.0		101	10-200				
Dibromomethane	49.4		"	50.0		98.9	83-124				
Dichlorodifluoromethane	50.5		"	50.0		101	28-158				
Ethyl Benzene	51.0		"	50.0		102	84-125				
Hexachlorobutadiene	50.7		"	50.0		101	83-133				
Isopropylbenzene	53.7		"	50.0		107	81-127				
Methyl acetate	43.8		"	50.0		87.7	41-143				
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		98.1	74-131				
Methylcyclohexane	53.0		"	50.0		106	70-130				
Methylene chloride	46.3		"	50.0		92.5	57-141				
n-Butylbenzene	50.7		"	50.0		101	80-130				
n-Propylbenzene	50.9		"	50.0		102	74-136				
o-Xylene	53.3		"	50.0		107	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	52.6		"	50.0		105	85-125				
sec-Butylbenzene	51.5		"	50.0		103	83-125				
Styrene	50.5		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	185		"	250		73.9	70-130				
tert-Butylbenzene	45.4		"	50.0		90.8	80-127				
Tetrachloroethylene	46.6		"	50.0		93.1	80-129				
Toluene	48.0		"	50.0		95.9	85-121				
trans-1,2-Dichloroethylene	47.9		"	50.0		95.8	72-132				
trans-1,3-Dichloropropylene	52.1		"	50.0		104	78-132				
Trichloroethylene	51.0		"	50.0		102	84-123				
Trichlorofluoromethane	48.6		"	50.0		97.2	62-140				
Vinyl Chloride	47.5		"	50.0		94.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.7*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS Dup (BB21529-BSD1) LCS Dup							Prepared & Analyzed: 02/07/2022				
1,1,1,2-Tetrachloroethane	49.3		ug/L	50.0		98.6	75-129		0.486	30	
1,1,1-Trichloroethane	46.6		"	50.0		93.3	71-137		1.57	30	
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129		0.276	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2	58-146		1.26	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.6	83-123		0.209	30	
1,1-Dichloroethane	45.5		"	50.0		91.0	75-130		0.657	30	
1,1-Dichloroethylene	48.3		"	50.0		96.6	64-137		2.86	30	
1,2,3-Trichlorobenzene	53.7		"	50.0		107	81-140		1.09	30	
1,2,3-Trichloropropane	49.6		"	50.0		99.2	81-126		0.121	30	
1,2,4-Trichlorobenzene	55.0		"	50.0		110	80-141		0.766	30	
1,2,4-Trimethylbenzene	50.7		"	50.0		101	84-125		2.11	30	
1,2-Dibromo-3-chloropropane	51.8		"	50.0		104	74-142		2.07	30	
1,2-Dibromoethane	49.8		"	50.0		99.7	86-123		0.320	30	
1,2-Dichlorobenzene	49.6		"	50.0		99.2	85-122		0.443	30	
1,2-Dichloroethane	47.5		"	50.0		95.1	71-133		1.29	30	
1,2-Dichloropropane	50.5		"	50.0		101	81-122		0.789	30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		0.318	30	
1,3-Dichlorobenzene	49.4		"	50.0		98.8	84-124		1.67	30	
1,4-Dichlorobenzene	50.2		"	50.0		100	84-124		1.07	30	
1,4-Dioxane	1300		"	1050		123	10-228		1.81	30	
2-Butanone	46.0		"	50.0		92.0	58-147		1.29	30	
2-Hexanone	49.7		"	50.0		99.3	70-139		0.121	30	
4-Methyl-2-pentanone	53.2		"	50.0		106	72-132		0.432	30	
Acetone	25.3		"	50.0		50.6	36-155		2.84	30	
Acrolein	28.2		"	50.0		56.4	10-238		1.68	30	
Acrylonitrile	45.0		"	50.0		90.1	66-141		0.222	30	
Benzene	46.1		"	50.0		92.3	77-127		0.519	30	
Bromochloromethane	46.3		"	50.0		92.6	74-129		0.433	30	
Bromodichloromethane	50.2		"	50.0		100	81-124		1.01	30	
Bromoform	54.5		"	50.0		109	80-136		1.05	30	
Bromomethane	47.4		"	50.0		94.8	32-177		1.80	30	
Carbon disulfide	52.2		"	50.0		104	10-136		1.28	30	
Carbon tetrachloride	48.0		"	50.0		95.9	66-143		1.69	30	
Chlorobenzene	51.0		"	50.0		102	86-120		0.430	30	
Chloroethane	45.1		"	50.0		90.3	51-142		4.36	30	
Chloroform	46.7		"	50.0		93.5	76-131		0.0428	30	
Chloromethane	49.5		"	50.0		99.0	49-132		3.61	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.3	74-132		0.599	30	
cis-1,3-Dichloropropylene	52.1		"	50.0		104	81-129		0.745	30	
Cyclohexane	39.1		"	50.0		78.2	70-130		1.87	30	
Dibromochloromethane	50.9		"	50.0		102	10-200		0.967	30	
Dibromomethane	49.3		"	50.0		98.6	83-124		0.304	30	
Dichlorodifluoromethane	49.4		"	50.0		98.8	28-158		2.14	30	
Ethyl Benzene	49.8		"	50.0		99.7	84-125		2.42	30	
Hexachlorobutadiene	51.0		"	50.0		102	83-133		0.452	30	
Isopropylbenzene	52.8		"	50.0		106	81-127		1.71	30	
Methyl acetate	43.8		"	50.0		87.5	41-143		0.183	30	
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131		2.38	30	
Methylcyclohexane	51.8		"	50.0		104	70-130		2.31	30	
Methylene chloride	46.5		"	50.0		93.0	57-141		0.517	30	
n-Butylbenzene	48.7		"	50.0		97.4	80-130		3.92	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS Dup (BB21529-BSD1) LCS Dup									Prepared & Analyzed: 02/07/2022		
n-Propylbenzene	50.4		ug/L	50.0		101	74-136		1.01	30	
o-Xylene	52.0		"	50.0		104	83-123		2.34	30	
p- & m- Xylenes	100		"	100		100	82-128		2.55	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		2.17	30	
sec-Butylbenzene	50.5		"	50.0		101	83-125		1.96	30	
Styrene	49.6		"	50.0		99.2	86-126		1.82	30	
tert-Butyl alcohol (TBA)	210		"	250		84.2	70-130		13.0	30	
tert-Butylbenzene	44.9		"	50.0		89.8	80-127		1.20	30	
Tetrachloroethylene	46.2		"	50.0		92.3	80-129		0.884	30	
Toluene	47.3		"	50.0		94.5	85-121		1.47	30	
trans-1,2-Dichloroethylene	47.1		"	50.0		94.1	72-132		1.81	30	
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132		0.230	30	
Trichloroethylene	50.1		"	50.0		100	84-123		1.90	30	
Trichlorofluoromethane	47.1		"	50.0		94.2	62-140		3.11	30	
Vinyl Chloride	45.5		"	50.0		91.1	52-130		4.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
Blank (BB21396-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/08/2022		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
Blank (BB21396-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/08/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.835*		"	*1.66*		*50.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.758*		"	*1.66*		*45.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.477*		"	*0.831*		*57.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.428*		"	*0.831*		*51.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.938*		"	*1.66*		*56.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.468*		"	*0.831*		*56.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
LCS (BB21396-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/08/2022		
1,1-Biphenyl	0.322	0.0416	mg/kg wet	0.831		38.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.339	0.0830	"	0.831		40.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.285	0.0416	"	0.831		34.3	17-137				
2,3,4,6-Tetrachlorophenol	0.346	0.0830	"	0.831		41.6	30-130				
2,4,5-Trichlorophenol	0.315	0.0416	"	0.831		37.9	27-118				
2,4,6-Trichlorophenol	0.337	0.0416	"	0.831		40.6	31-120				
2,4-Dichlorophenol	0.352	0.0416	"	0.831		42.4	20-127				
2,4-Dimethylphenol	0.306	0.0416	"	0.831		36.9	14-132				
2,4-Dinitrophenol	0.252	0.0830	"	0.831		30.3	10-171				
2,4-Dinitrotoluene	0.377	0.0416	"	0.831		45.4	34-131				
2,6-Dinitrotoluene	0.381	0.0416	"	0.831		45.8	31-128				
2-Chloronaphthalene	0.315	0.0416	"	0.831		37.9	31-117				
2-Chlorophenol	0.314	0.0416	"	0.831		37.8	33-113				
2-Methylnaphthalene	0.331	0.0416	"	0.831		39.8	12-138				
2-Methylphenol	0.307	0.0416	"	0.831		37.0	10-136				
2-Nitroaniline	0.339	0.0830	"	0.831		40.8	27-132				
2-Nitrophenol	0.388	0.0416	"	0.831		46.8	17-129				
3- & 4-Methylphenols	0.267	0.0416	"	0.831		32.2	29-103				
3,3-Dichlorobenzidine	0.453	0.0416	"	0.831		54.5	22-149				
3-Nitroaniline	0.289	0.0830	"	0.831		34.8	20-133				
4,6-Dinitro-2-methylphenol	0.338	0.0830	"	0.831		40.7	10-143				
4-Bromophenyl phenyl ether	0.321	0.0416	"	0.831		38.6	29-120				
4-Chloro-3-methylphenol	0.345	0.0416	"	0.831		41.6	24-129				
4-Chloroaniline	0.211	0.0416	"	0.831		25.4	10-132				
4-Chlorophenyl phenyl ether	0.325	0.0416	"	0.831		39.1	27-124				
4-Nitroaniline	0.309	0.0830	"	0.831		37.2	16-128				
4-Nitrophenol	0.320	0.0830	"	0.831		38.5	10-141				
Acenaphthene	0.316	0.0416	"	0.831		38.1	30-121				
Acenaphthylene	0.298	0.0416	"	0.831		35.9	30-115				
Acetophenone	0.311	0.0416	"	0.831		37.5	20-112				
Aniline	0.306	0.166	"	0.831		36.9	10-119				
Anthracene	0.331	0.0416	"	0.831		39.8	34-118				
Atrazine	0.374	0.0416	"	0.831		45.0	26-112				
Benzaldehyde	0.312	0.0416	"	0.831		37.6	21-100				
Benzo(a)anthracene	0.347	0.0416	"	0.831		41.8	32-122				
Benzo(a)pyrene	0.330	0.0416	"	0.831		39.7	29-133				
Benzo(b)fluoranthene	0.352	0.0416	"	0.831		42.4	25-133				
Benzo(g,h,i)perylene	0.361	0.0416	"	0.831		43.4	10-143				
Benzo(k)fluoranthene	0.326	0.0416	"	0.831		39.3	25-128				
Benzoic acid	0.0930	0.0416	"	0.831		11.2	10-140				
Benzyl alcohol	0.304	0.0416	"	0.831		36.6	30-115				
Benzyl butyl phthalate	0.371	0.0416	"	0.831		44.7	26-126				
Bis(2-chloroethoxy)methane	0.298	0.0416	"	0.831		35.9	19-132				
Bis(2-chloroethyl)ether	0.274	0.0416	"	0.831		33.0	19-125				
Bis(2-chloroisopropyl)ether	0.232	0.0416	"	0.831		28.0	20-135				
Bis(2-ethylhexyl)phthalate	0.382	0.0416	"	0.831		46.0	10-155				
Caprolactam	0.344	0.0830	"	0.831		41.4	10-127				
Carbazole	0.307	0.0416	"	0.831		37.0	35-123				
Chrysene	0.309	0.0416	"	0.831		37.2	32-123				
Dibenzo(a,h)anthracene	0.384	0.0416	"	0.831		46.2	10-136				
Dibenzofuran	0.313	0.0416	"	0.831		37.6	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
LCS (BB21396-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/08/2022		
Diethyl phthalate	0.340	0.0416	mg/kg wet	0.831		41.0	34-116				
Dimethyl phthalate	0.340	0.0416	"	0.831		40.9	35-124				
Di-n-butyl phthalate	0.334	0.0416	"	0.831		40.2	31-116				
Di-n-octyl phthalate	0.414	0.0416	"	0.831		49.9	26-136				
Diphenylamine	0.373	0.0830	"	0.831		44.9	40-140				
Fluoranthene	0.317	0.0416	"	0.831		38.2	33-122				
Fluorene	0.318	0.0416	"	0.831		38.3	29-123				
Hexachlorobenzene	0.337	0.0416	"	0.831		40.6	21-124				
Hexachlorobutadiene	0.386	0.0416	"	0.831		46.5	10-149				
Hexachlorocyclopentadiene	0.254	0.0416	"	0.831		30.6	10-129				
Hexachloroethane	0.312	0.0416	"	0.831		37.6	28-108				
Indeno(1,2,3-cd)pyrene	0.388	0.0416	"	0.831		46.7	10-135				
Isophorone	0.327	0.0416	"	0.831		39.4	20-132				
Naphthalene	0.317	0.0416	"	0.831		38.2	23-124				
Nitrobenzene	0.346	0.0416	"	0.831		41.7	13-132				
N-Nitrosodimethylamine	0.603	0.0416	"	0.831		72.6	11-129				
N-nitroso-di-n-propylamine	0.285	0.0416	"	0.831		34.3	24-119				
N-Nitrosodiphenylamine	0.363	0.0416	"	0.831		43.8	22-152				
Pentachlorophenol	0.213	0.0416	"	0.831		25.7	10-139				
Phenanthrene	0.315	0.0416	"	0.831		37.9	33-123				
Phenol	0.276	0.0416	"	0.831		33.2	23-115				
Pyrene	0.322	0.0416	"	0.831		38.8	24-130				
Pyridine	0.556	0.166	"	0.831		67.0	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.699*		*"*	*1.66*		*42.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.659*		*"*	*1.66*		*39.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.404*		*"*	*0.831*		*48.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.360*		*"*	*0.831*		*43.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.804*		*"*	*1.66*		*48.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.381*		*"*	*0.831*		*45.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
Matrix Spike (BB21396-MS1) Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)							Prepared: 02/04/2022 Analyzed: 02/09/2022			
1,1-Biphenyl	0.463	0.0974	mg/kg dry	0.973	ND	47.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.455	0.195	"	0.973	ND	46.7	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.393	0.0974	"	0.973	ND	40.4	10-144				
2,3,4,6-Tetrachlorophenol	0.409	0.195	"	0.973	ND	42.1	30-130				
2,4,5-Trichlorophenol	0.409	0.0974	"	0.973	ND	42.0	10-127				
2,4,6-Trichlorophenol	0.438	0.0974	"	0.973	ND	45.0	10-132				
2,4-Dichlorophenol	0.473	0.0974	"	0.973	ND	48.6	10-128				
2,4-Dimethylphenol	0.464	0.0974	"	0.973	ND	47.7	10-137				
2,4-Dinitrophenol	ND	0.195	"	0.973	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.473	0.0974	"	0.973	ND	48.6	16-135				
2,6-Dinitrotoluene	0.507	0.0974	"	0.973	ND	52.1	18-131				
2-Chloronaphthalene	0.420	0.0974	"	0.973	ND	43.1	10-129				
2-Chlorophenol	0.416	0.0974	"	0.973	ND	42.8	15-116				
2-Methylnaphthalene	0.521	0.0974	"	0.973	ND	53.5	10-147				
2-Methylphenol	0.411	0.0974	"	0.973	ND	42.2	10-136				
2-Nitroaniline	0.459	0.195	"	0.973	ND	47.1	10-137				
2-Nitrophenol	0.487	0.0974	"	0.973	ND	50.0	10-129				
3- & 4-Methylphenols	0.422	0.0974	"	0.973	ND	43.4	10-123				
3,3-Dichlorobenzidine	0.350	0.0974	"	0.973	ND	35.9	10-155				
3-Nitroaniline	0.388	0.195	"	0.973	ND	39.8	12-133				
4,6-Dinitro-2-methylphenol	ND	0.195	"	0.973	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.481	0.0974	"	0.973	ND	49.4	14-128				
4-Chloro-3-methylphenol	0.455	0.0974	"	0.973	ND	46.7	10-134				
4-Chloroaniline	0.289	0.0974	"	0.973	ND	29.7	10-145				
4-Chlorophenyl phenyl ether	0.448	0.0974	"	0.973	ND	46.0	14-130				
4-Nitroaniline	0.392	0.195	"	0.973	ND	40.3	10-147				
4-Nitrophenol	0.336	0.195	"	0.973	ND	34.6	10-137				
Acenaphthene	0.523	0.0974	"	0.973	ND	53.8	10-146				
Acenaphthylene	0.542	0.0974	"	0.973	ND	55.7	10-134				
Acetophenone	0.402	0.0974	"	0.973	ND	41.3	10-116				
Aniline	0.330	0.390	"	0.973	ND	33.9	10-123				
Anthracene	0.736	0.0974	"	0.973	ND	75.6	10-142				
Atrazine	0.496	0.0974	"	0.973	ND	51.0	19-115				
Benzaldehyde	0.445	0.0974	"	0.973	ND	45.8	10-125				
Benzo(a)anthracene	1.12	0.0974	"	0.973	ND	116	10-158				
Benzo(a)pyrene	1.32	0.0974	"	0.973	ND	136	10-180				
Benzo(b)fluoranthene	1.14	0.0974	"	0.973	ND	117	10-200				
Benzo(g,h,i)perylene	1.01	0.0974	"	0.973	ND	104	10-138				
Benzo(k)fluoranthene	1.06	0.0974	"	0.973	ND	109	10-197				
Benzoic acid	0.916	0.0974	"	0.973	ND	94.2	10-166				
Benzyl alcohol	0.386	0.0974	"	0.973	ND	39.7	12-124				
Benzyl butyl phthalate	0.506	0.0974	"	0.973	ND	52.0	10-154				
Bis(2-chloroethoxy)methane	0.395	0.0974	"	0.973	ND	40.6	10-132				
Bis(2-chloroethyl)ether	0.371	0.0974	"	0.973	ND	38.1	10-119				
Bis(2-chloroisopropyl)ether	0.304	0.0974	"	0.973	ND	31.2	10-139				
Bis(2-ethylhexyl)phthalate	0.504	0.0974	"	0.973	ND	51.8	10-167				
Caprolactam	0.442	0.195	"	0.973	ND	45.4	10-132				
Carbazole	0.519	0.0974	"	0.973	ND	53.4	10-167				
Chrysene	1.04	0.0974	"	0.973	ND	107	10-156				
Dibenzo(a,h)anthracene	0.772	0.0974	"	0.973	ND	79.4	10-137				
Dibenzofuran	0.529	0.0974	"	0.973	ND	54.4	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
Matrix Spike (BB21396-MS1) Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)							Prepared: 02/04/2022 Analyzed: 02/09/2022			
Diethyl phthalate	0.451	0.0974	mg/kg dry	0.973	ND	46.3	20-120				
Dimethyl phthalate	0.449	0.0974	"	0.973	ND	46.2	18-131				
Di-n-butyl phthalate	0.471	0.0974	"	0.973	ND	48.4	10-137				
Di-n-octyl phthalate	0.539	0.0974	"	0.973	ND	55.4	10-180				
Diphenylamine	0.529	0.195	"	0.973	ND	54.3	40-140				
Fluoranthene	1.80	0.0974	"	0.973	0.0584	179	10-160	High Bias			
Fluorene	0.567	0.0974	"	0.973	ND	58.2	10-157				
Hexachlorobenzene	0.474	0.0974	"	0.973	ND	48.7	10-137				
Hexachlorobutadiene	0.536	0.0974	"	0.973	ND	55.1	10-132				
Hexachlorocyclopentadiene	ND	0.0974	"	0.973	ND		10-106	Low Bias			
Hexachloroethane	0.335	0.0974	"	0.973	ND	34.4	10-110				
Indeno(1,2,3-cd)pyrene	1.26	0.0974	"	0.973	ND	129	10-144				
Isophorone	0.441	0.0974	"	0.973	ND	45.3	10-132				
Naphthalene	0.570	0.0974	"	0.973	ND	58.6	10-141				
Nitrobenzene	0.454	0.0974	"	0.973	ND	46.6	10-131				
N-Nitrosodimethylamine	0.763	0.0974	"	0.973	ND	78.4	10-126				
N-nitroso-di-n-propylamine	0.380	0.0974	"	0.973	ND	39.0	10-125				
N-Nitrosodiphenylamine	0.522	0.0974	"	0.973	ND	53.7	10-177				
Pentachlorophenol	0.198	0.0974	"	0.973	ND	20.3	10-153				
Phenanthrene	1.38	0.0974	"	0.973	ND	142	10-148				
Phenol	0.374	0.0974	"	0.973	ND	38.5	10-126				
Pyrene	1.66	0.0974	"	0.973	0.0545	165	10-165				
Pyridine	0.659	0.390	"	0.973	ND	67.8	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.842*		*"*	*1.95*		*43.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.771*		*"*	*1.95*		*39.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.515*		*"*	*0.973*		*52.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.457*		*"*	*0.973*		*47.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.06*		*"*	*1.95*		*54.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.487*		*"*	*0.973*		*50.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21396 - EPA 3546 SVOA											
Matrix Spike Dup (BB21396-M Matrix Spike Dup	*Source sample: 22B0106-09 (Matrix Spike Dup)								Prepared: 02/04/2022 Analyzed: 02/09/2022		
1,1-Biphenyl	0.306	0.0974	mg/kg dry	0.973	ND	31.4	10-130		40.9	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.304	0.195	"	0.973	ND	31.3	10-133		39.6	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.251	0.0974	"	0.973	ND	25.8	10-144		44.3	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.238	0.195	"	0.973	ND	24.5	30-130	Low Bias	52.9	30	Non-dir.
2,4,5-Trichlorophenol	0.246	0.0974	"	0.973	ND	25.3	10-127		49.7	30	Non-dir.
2,4,6-Trichlorophenol	0.264	0.0974	"	0.973	ND	27.1	10-132		49.7	30	Non-dir.
2,4-Dichlorophenol	0.304	0.0974	"	0.973	ND	31.3	10-128		43.3	30	Non-dir.
2,4-Dimethylphenol	0.300	0.0974	"	0.973	ND	30.8	10-137		43.0	30	Non-dir.
2,4-Dinitrophenol	ND	0.195	"	0.973	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.311	0.0974	"	0.973	ND	31.9	16-135		41.5	30	Non-dir.
2,6-Dinitrotoluene	0.330	0.0974	"	0.973	ND	33.9	18-131		42.2	30	Non-dir.
2-Chloronaphthalene	0.279	0.0974	"	0.973	ND	28.6	10-129		40.4	30	Non-dir.
2-Chlorophenol	0.267	0.0974	"	0.973	ND	27.4	15-116		43.7	30	Non-dir.
2-Methylnaphthalene	0.334	0.0974	"	0.973	ND	34.3	10-147		43.7	30	Non-dir.
2-Methylphenol	0.262	0.0974	"	0.973	ND	27.0	10-136		44.2	30	Non-dir.
2-Nitroaniline	0.297	0.195	"	0.973	ND	30.5	10-137		42.9	30	Non-dir.
2-Nitrophenol	0.327	0.0974	"	0.973	ND	33.6	10-129		39.2	30	Non-dir.
3- & 4-Methylphenols	0.258	0.0974	"	0.973	ND	26.6	10-123		48.1	30	Non-dir.
3,3-Dichlorobenzidine	0.224	0.0974	"	0.973	ND	23.0	10-155		43.7	30	Non-dir.
3-Nitroaniline	0.266	0.195	"	0.973	ND	27.4	12-133		37.1	30	Non-dir.
4,6-Dinitro-2-methylphenol	ND	0.195	"	0.973	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.303	0.0974	"	0.973	ND	31.1	14-128		45.5	30	Non-dir.
4-Chloro-3-methylphenol	0.299	0.0974	"	0.973	ND	30.7	10-134		41.3	30	Non-dir.
4-Chloroaniline	0.192	0.0974	"	0.973	ND	19.7	10-145		40.5	30	Non-dir.
4-Chlorophenyl phenyl ether	0.294	0.0974	"	0.973	ND	30.2	14-130		41.3	30	Non-dir.
4-Nitroaniline	0.236	0.195	"	0.973	ND	24.2	10-147		49.8	30	Non-dir.
4-Nitrophenol	0.198	0.195	"	0.973	ND	20.3	10-137		51.9	30	Non-dir.
Acenaphthene	0.329	0.0974	"	0.973	ND	33.8	10-146		45.7	30	Non-dir.
Acenaphthylene	0.369	0.0974	"	0.973	ND	37.9	10-134		37.9	30	Non-dir.
Acetophenone	0.269	0.0974	"	0.973	ND	27.6	10-116		39.7	30	Non-dir.
Aniline	0.216	0.390	"	0.973	ND	22.2	10-123		41.9	30	Non-dir.
Anthracene	0.455	0.0974	"	0.973	ND	46.8	10-142		47.1	30	Non-dir.
Atrazine	0.331	0.0974	"	0.973	ND	34.0	19-115		39.9	30	Non-dir.
Benzaldehyde	0.295	0.0974	"	0.973	ND	30.3	10-125		40.6	30	Non-dir.
Benzo(a)anthracene	0.676	0.0974	"	0.973	ND	69.4	10-158		49.9	30	Non-dir.
Benzo(a)pyrene	0.768	0.0974	"	0.973	ND	78.9	10-180		53.1	30	Non-dir.
Benzo(b)fluoranthene	0.712	0.0974	"	0.973	ND	73.2	10-200		46.4	30	Non-dir.
Benzo(g,h,i)perylene	0.612	0.0974	"	0.973	ND	62.9	10-138		49.5	30	Non-dir.
Benzo(k)fluoranthene	0.632	0.0974	"	0.973	ND	65.0	10-197		50.5	30	Non-dir.
Benzoic acid	0.627	0.0974	"	0.973	ND	64.4	10-166		37.5	30	Non-dir.
Benzyl alcohol	0.244	0.0974	"	0.973	ND	25.1	12-124		44.9	30	Non-dir.
Benzyl butyl phthalate	0.332	0.0974	"	0.973	ND	34.2	10-154		41.4	30	Non-dir.
Bis(2-chloroethoxy)methane	0.262	0.0974	"	0.973	ND	26.9	10-132		40.6	30	Non-dir.
Bis(2-chloroethyl)ether	0.238	0.0974	"	0.973	ND	24.5	10-119		43.5	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.193	0.0974	"	0.973	ND	19.8	10-139		44.5	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.323	0.0974	"	0.973	ND	33.2	10-167		43.8	30	Non-dir.
Caprolactam	0.297	0.195	"	0.973	ND	30.5	10-132		39.4	30	Non-dir.
Carbazole	0.320	0.0974	"	0.973	ND	32.9	10-167		47.5	30	Non-dir.
Chrysene	0.645	0.0974	"	0.973	ND	66.2	10-156		46.7	30	Non-dir.
Dibenzo(a,h)anthracene	0.472	0.0974	"	0.973	ND	48.5	10-137		48.3	30	Non-dir.
Dibenzofuran	0.342	0.0974	"	0.973	ND	35.1	10-147		43.1	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21396 - EPA 3546 SVOA

Matrix Spike Dup (BB21396-M Matrix Spike Dup *Source sample: 22B0106-09 (Matrix Spike Dup) Prepared: 02/04/2022 Analyzed: 02/09/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Diethyl phthalate	0.300	0.0974	mg/kg dry	0.973	ND	30.8	20-120		40.2	30	Non-dir.
Dimethyl phthalate	0.299	0.0974	"	0.973	ND	30.7	18-131		40.2	30	Non-dir.
Di-n-butyl phthalate	0.304	0.0974	"	0.973	ND	31.2	10-137		43.2	30	Non-dir.
Di-n-octyl phthalate	0.348	0.0974	"	0.973	ND	35.8	10-180		43.0	30	Non-dir.
Diphenylamine	0.339	0.195	"	0.973	ND	34.8	40-140	Low Bias	43.8	30	Non-dir.
Fluoranthene	1.23	0.0974	"	0.973	0.0584	120	10-160		38.2	30	Non-dir.
Fluorene	0.364	0.0974	"	0.973	ND	37.4	10-157		43.7	30	Non-dir.
Hexachlorobenzene	0.303	0.0974	"	0.973	ND	31.1	10-137		44.1	30	Non-dir.
Hexachlorobutadiene	0.343	0.0974	"	0.973	ND	35.2	10-132		44.1	30	Non-dir.
Hexachlorocyclopentadiene	ND	0.0974	"	0.973	ND		10-106	Low Bias		30	
Hexachloroethane	0.231	0.0974	"	0.973	ND	23.8	10-110		36.6	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.758	0.0974	"	0.973	ND	77.9	10-144		49.4	30	Non-dir.
Isophorone	0.279	0.0974	"	0.973	ND	28.7	10-132		44.8	30	Non-dir.
Naphthalene	0.367	0.0974	"	0.973	ND	37.8	10-141		43.2	30	Non-dir.
Nitrobenzene	0.301	0.0974	"	0.973	ND	31.0	10-131		40.4	30	Non-dir.
N-Nitrosodimethylamine	0.486	0.0974	"	0.973	ND	49.9	10-126		44.4	30	Non-dir.
N-nitroso-di-n-propylamine	0.243	0.0974	"	0.973	ND	25.0	10-125		44.0	30	Non-dir.
N-Nitrosodiphenylamine	0.339	0.0974	"	0.973	ND	34.8	10-177		42.7	30	Non-dir.
Pentachlorophenol	0.0958	0.0974	"	0.973	ND	9.84	10-153	Low Bias	69.5	30	Non-dir.
Phenanthrene	0.936	0.0974	"	0.973	ND	96.2	10-148		38.5	30	Non-dir.
Phenol	0.241	0.0974	"	0.973	ND	24.8	10-126		43.2	30	Non-dir.
Pyrene	1.11	0.0974	"	0.973	0.0545	108	10-165		39.5	30	Non-dir.
Pyridine	0.449	0.390	"	0.973	ND	46.2	10-83		37.9	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.543*		"	*1.95*		*27.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.499*		"	*1.95*		*25.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.337*		"	*0.973*		*34.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.303*		"	*0.973*		*31.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.644*		"	*1.95*		*33.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.311*		"	*0.973*		*31.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21548 - EPA 3510C											
Blank (BB21548-BLK2) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21548 - EPA 3510C											
Blank (BB21548-BLK2) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Dibenzofuran	ND	5.00	ug/L								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21548 - EPA 3510C											
LCS (BB21548-BS2) LCS								Prepared: 02/08/2022 Analyzed: 02/10/2022			
Acenaphthene	0.660	0.0500	ug/L	1.00		66.0	25-116				
Acenaphthylene	0.670	0.0500	"	1.00		67.0	26-116				
Anthracene	0.630	0.0500	"	1.00		63.0	25-123				
Benzo(a)anthracene	0.700	0.0500	"	1.00		70.0	33-125				
Benzo(a)pyrene	0.620	0.0500	"	1.00		62.0	32-132				
Benzo(b)fluoranthene	0.710	0.0500	"	1.00		71.0	22-137				
Benzo(g,h,i)perylene	0.820	0.0500	"	1.00		82.0	10-138				
Benzo(k)fluoranthene	0.700	0.0500	"	1.00		70.0	20-137				
Bis(2-ethylhexyl)phthalate	0.900	0.500	"	1.00		90.0	10-189				
Chrysene	0.740	0.0500	"	1.00		74.0	32-124				
Dibenzo(a,h)anthracene	0.820	0.0500	"	1.00		82.0	16-133				
Fluoranthene	0.770	0.0500	"	1.00		77.0	32-121				
Fluorene	0.750	0.0500	"	1.00		75.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.910	0.500	"	1.00		91.0	15-123				
Hexachloroethane	0.620	0.500	"	1.00		62.0	18-115				
Indeno(1,2,3-cd)pyrene	0.740	0.0500	"	1.00		74.0	15-135				
Naphthalene	0.670	0.0500	"	1.00		67.0	18-120				
Nitrobenzene	0.600	0.250	"	1.00		60.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.630	0.250	"	1.00		63.0	10-156				
Phenanthrene	0.750	0.0500	"	1.00		75.0	24-127				
Pyrene	0.710	0.0500	"	1.00		71.0	31-132				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21315 - EPA 3535A											
Blank (BB21315-BLK1) Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*4.00*		*"*	*4.00*		*100*	*36.6-118*				
LCS (BB21315-BS1) LCS								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
Surrogate: 1,4-Dioxane-d8	*3.04*		*"*	*4.00*		*76.0*	*36.6-118*				
Matrix Spike (BB21315-MS1) Matrix Spike *Source sample: 22B0058-03 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	3.55	0.300	ug/L	4.00	0.368	79.6	50-130				
Surrogate: 1,4-Dioxane-d8	*1.44*		*"*	*4.00*		*36.0*	*50-130*				
Matrix Spike Dup (BB21315-M Matrix Spike Dup *Source sample: 22B0058-03 (Matrix Spike Dup)								Prepared: 02/03/2022 Analyzed: 02/04/2022			
1,4-Dioxane	4.21	0.300	ug/L	4.00	0.368	96.0	50-130		16.9	30	
Surrogate: 1,4-Dioxane-d8	*3.04*		*"*	*4.00*		*76.0*	*50-130*				
Batch BB21457 - EPA 3550C											
Blank (BB21457-BLK1) Blank								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				
LCS (BB21457-BS1) LCS								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane	589	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21342 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21342-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/05/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*72.3*		"	*74.3*		*97.3*	*25-150*				
Surrogate: M5PFHxA	*81.0*		"	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*80.8*		"	*80.0*		*101*	*25-150*				
Surrogate: M3PFHxS	*82.1*		"	*75.7*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*78.3*		"	*80.0*		*97.9*	*25-150*				
Surrogate: M6PFDA	*84.1*		"	*80.0*		*105*	*25-150*				
Surrogate: M7PFUdA	*77.0*		"	*80.0*		*96.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.8*		"	*80.0*		*82.3*	*25-150*				
Surrogate: M2PFTeDA	*44.6*		"	*80.0*		*55.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.4*		"	*80.0*		*95.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.8*		"	*76.6*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.2*		"	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.6*		"	*80.0*		*33.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.8*		"	*80.0*		*74.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*55.7*		"	*80.0*		*69.7*	*25-150*				
Surrogate: M2-6:2 FTS	*76.3*		"	*75.9*		*101*	*25-200*				
Surrogate: M2-8:2 FTS	*67.6*		"	*76.6*		*88.3*	*25-200*				
Surrogate: M9PFNA	*85.6*		"	*80.0*		*107*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21342 - SPE Ext-PFAS-EPA 537.1M

LCS (BB21342-BS1) LCS — Prepared: 02/03/2022 Analyzed: 02/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	68.1	2.00	ng/L	70.8		96.2	50-130				
Perfluorohexanoic acid (PFHxA)	73.7	2.00	"	80.0		92.2	50-130				
Perfluoroheptanoic acid (PFHpA)	80.7	2.00	"	80.0		101	50-130				
Perfluorohexanesulfonic acid (PFHxS)	68.1	2.00	"	72.8		93.5	50-130				
Perfluorooctanoic acid (PFOA)	77.9	2.00	"	80.0		97.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	69.6	2.00	"	74.0		94.0	50-130				
Perfluorononanoic acid (PFNA)	82.4	2.00	"	80.0		103	50-130				
Perfluorodecanoic acid (PFDA)	81.3	2.00	"	80.0		102	50-130				
Perfluoroundecanoic acid (PFUnA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluorododecanoic acid (PFDoA)	80.6	2.00	"	80.0		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	69.5	2.00	"	80.0		86.9	50-130				
Perfluorotetradecanoic acid (PFTA)	80.5	2.00	"	80.0		101	50-130				
N-MeFOSAA	73.0	2.00	"	80.0		91.3	50-130				
N-EtFOSAA	96.7	2.00	"	80.0		121	50-130				
Perfluoropentanoic acid (PFPeA)	77.9	2.00	"	80.0		97.3	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	87.7	2.00	"	80.0		110	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.9	2.00	"	76.4		88.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	60.9	2.00	"	77.2		78.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	63.2	5.00	"	76.0		83.2	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	65.9	2.00	"	76.8		85.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	80.2	2.00	"	80.0		100	50-130				
Surrogate: M3PFBS	*72.2*		"	*74.3*		*97.2*	*25-150*				
Surrogate: M5PFHxA	*82.6*		"	*80.0*		*103*	*25-150*				
Surrogate: M4PFHpA	*78.8*		"	*80.0*		*98.5*	*25-150*				
Surrogate: M3PFHxS	*76.2*		"	*75.7*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.6*		"	*80.0*		*95.8*	*25-150*				
Surrogate: M6PFDA	*70.0*		"	*80.0*		*87.6*	*25-150*				
Surrogate: M7PFUdA	*67.7*		"	*80.0*		*84.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.9*		"	*80.0*		*73.6*	*25-150*				
Surrogate: M2PFTeDA	*44.2*		"	*80.0*		*55.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.5*		"	*80.0*		*94.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*80.4*		"	*76.6*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.1*		"	*80.0*		*93.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.6*		"	*80.0*		*30.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*45.4*		"	*80.0*		*56.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*39.0*		"	*80.0*		*48.7*	*25-150*				
Surrogate: M2-6:2 FTS	*88.8*		"	*75.9*		*117*	*25-200*				
Surrogate: M2-8:2 FTS	*72.1*		"	*76.6*		*94.0*	*25-200*				
Surrogate: M9PFNA	*72.4*		"	*80.0*		*90.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21342 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BB21342-MS1) Matrix Spike *Source sample: 22B0058-03 (Matrix Spike) Prepared: 02/03/2022 Analyzed: 02/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	76.1	1.92	ng/L	68.1	3.04	107	25-150				
Perfluorohexanoic acid (PFHxA)	82.0	1.92	"	76.9	7.71	96.6	25-150				
Perfluoroheptanoic acid (PFHpA)	128	1.92	"	76.9	10.6	153	25-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	67.3	1.92	"	70.0	3.58	91.0	25-150				
Perfluorooctanoic acid (PFOA)	111	1.92	"	76.9	37.6	95.6	25-150				
Perfluorooctanesulfonic acid (PFOS)	149	1.92	"	71.2	46.2	144	25-150				
Perfluorononanoic acid (PFNA)	69.6	1.92	"	76.9	3.16	86.4	25-150				
Perfluorodecanoic acid (PFDA)	80.3	1.92	"	76.9	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	80.7	1.92	"	76.9	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	74.0	1.92	"	76.9	ND	96.3	25-150				
Perfluorotridecanoic acid (PFTrDA)	73.0	1.92	"	76.9	ND	94.9	25-150				
Perfluorotetradecanoic acid (PFTA)	70.7	1.92	"	76.9	ND	92.0	25-150				
N-MeFOSAA	70.8	1.92	"	76.9	ND	92.1	25-150				
N-EtFOSAA	83.7	1.92	"	76.9	ND	109	25-150				
Perfluoropentanoic acid (PFPeA)	81.5	1.92	"	76.9	337	NR	25-150	Low Bias			
Perfluoro-1-octanesulfonamide (FOSA)	89.2	1.92	"	76.9	ND	116	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	95.0	1.92	"	73.5	ND	129	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	83.0	1.92	"	74.2	ND	112	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	66.2	4.81	"	73.1	ND	90.6	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	75.7	1.92	"	73.8	ND	103	25-200				
Perfluoro-n-butanoic acid (PFBA)	86.8	1.92	"	76.9	26.8	78.0	25-150				
Surrogate: M3PFBS	*58.1*		"	*71.5*		*81.3*	*25-150*				
Surrogate: M5PFHxA	*56.2*		"	*76.9*		*73.1*	*25-150*				
Surrogate: M4PFHpA	*39.2*		"	*76.9*		*50.9*	*25-150*				
Surrogate: M3PFHxS	*65.3*		"	*72.8*		*89.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.9*		"	*76.9*		*101*	*25-150*				
Surrogate: M6PFDA	*80.5*		"	*76.9*		*105*	*25-150*				
Surrogate: M7PFUdA	*86.4*		"	*76.9*		*112*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.8*		"	*76.9*		*94.6*	*25-150*				
Surrogate: M2PFTeDA	*71.1*		"	*76.9*		*92.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*54.9*		"	*76.9*		*71.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.1*		"	*73.6*		*95.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*42.4*		"	*76.9*		*55.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*10.5*		"	*76.9*		*13.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*93.6*		"	*76.9*		*122*	*25-150*				
Surrogate: d5-N-EtFOSAA	*92.8*		"	*76.9*		*121*	*25-150*				
Surrogate: M2-6:2 FTS	*208*		"	*73.0*		*285*	*25-200*				
Surrogate: M2-8:2 FTS	*147*		"	*73.7*		*199*	*25-200*				
Surrogate: M9PFNA	*94.5*		"	*76.9*		*123*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21342 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BB21342-M Matrix Spike Dup	*Source sample: 22B0058-03 (Matrix Spike Dup)								Prepared: 02/03/2022 Analyzed: 02/05/2022		
Perfluorobutanesulfonic acid (PFBS)	77.5	1.92	ng/L	68.1	3.04	109	25-150		1.87	35	
Perfluorohexanoic acid (PFHxA)	76.3	1.92	"	76.9	7.71	89.2	25-150		7.17	35	
Perfluoroheptanoic acid (PFHpA)	114	1.92	"	76.9	10.6	135	25-150		11.4	35	
Perfluorohexanesulfonic acid (PFHxS)	61.7	1.92	"	70.0	3.58	83.0	25-150		8.69	35	
Perfluorooctanoic acid (PFOA)	89.8	1.92	"	76.9	37.6	67.9	25-150		21.2	35	
Perfluorooctanesulfonic acid (PFOS)	137	1.92	"	71.2	46.2	128	25-150		7.77	35	
Perfluorononanoic acid (PFNA)	68.3	1.92	"	76.9	3.16	84.6	25-150		1.92	35	
Perfluorodecanoic acid (PFDA)	74.0	1.92	"	76.9	ND	96.2	25-150		8.26	35	
Perfluoroundecanoic acid (PFUnA)	75.6	1.92	"	76.9	ND	98.3	25-150		6.52	35	
Perfluorododecanoic acid (PFDoA)	70.1	1.92	"	76.9	ND	91.2	25-150		5.40	35	
Perfluorotridecanoic acid (PFTrDA)	64.1	1.92	"	76.9	ND	83.3	25-150		13.0	35	
Perfluorotetradecanoic acid (PFTA)	63.1	1.92	"	76.9	ND	82.0	25-150		11.4	35	
N-MeFOSAA	62.3	1.92	"	76.9	ND	81.0	25-150		12.9	35	
N-EtFOSAA	81.9	1.92	"	76.9	ND	106	25-150		2.23	35	
Perfluoropentanoic acid (PFPeA)	83.2	1.92	"	76.9	337	NR	25-150	Low Bias	2.04	35	
Perfluoro-1-octanesulfonamide (FOSA)	74.5	1.92	"	76.9	ND	96.8	25-150		18.0	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.7	1.92	"	73.5	ND	111	25-150		15.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	69.7	1.92	"	74.2	ND	93.9	25-150		17.4	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	64.6	4.81	"	73.1	ND	88.4	25-200		2.50	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	60.6	1.92	"	73.8	ND	82.1	25-200		22.1	35	
Perfluoro-n-butanoic acid (PFBA)	81.5	1.92	"	76.9	26.8	71.2	25-150		6.22	35	
Surrogate: M3PFBS	*68.1*		*"*	*71.5*		*95.3*	*25-150*				
Surrogate: M5PFHxA	*63.5*		*"*	*76.9*		*82.6*	*25-150*				
Surrogate: M4PFHpA	*47.9*		*"*	*76.9*		*62.3*	*25-150*				
Surrogate: M3PFHxS	*76.9*		*"*	*72.8*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*99.0*		*"*	*76.9*		*129*	*25-150*				
Surrogate: M6PFDA	*94.9*		*"*	*76.9*		*123*	*25-150*				
Surrogate: M7PFUdA	*101*		*"*	*76.9*		*132*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.8*		*"*	*76.9*		*114*	*25-150*				
Surrogate: M2PFTeDA	*94.2*		*"*	*76.9*		*122*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.3*		*"*	*76.9*		*83.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.5*		*"*	*73.6*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*47.1*		*"*	*76.9*		*61.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.17*		*"*	*76.9*		*5.42*	*10-150*				
Surrogate: d3-N-MeFOSAA	*107*		*"*	*76.9*		*140*	*25-150*				
Surrogate: d5-N-EtFOSAA	*98.9*		*"*	*76.9*		*129*	*25-150*				
Surrogate: M2-6:2 FTS	*195*		*"*	*73.0*		*267*	*25-200*				
Surrogate: M2-8:2 FTS	*179*		*"*	*73.7*		*242*	*25-200*				
Surrogate: M9PFNA	*108*		*"*	*76.9*		*140*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21343-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/05/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.226	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.226	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.226	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.226	"								
Perfluorooctanoic acid (PFOA)	ND	0.226	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.226	"								
Perfluorononanoic acid (PFNA)	ND	0.226	"								
Perfluorodecanoic acid (PFDA)	ND	0.226	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.226	"								
Perfluorododecanoic acid (PFDoA)	ND	0.226	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.226	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.226	"								
N-MeFOSAA	ND	0.226	"								
N-EtFOSAA	ND	0.226	"								
Perfluoropentanoic acid (PFPeA)	ND	0.226	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.226	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.226	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.226	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.226	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.226	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.226	"								
Surrogate: M3PFBS	*4.01*		"	*4.21*		*95.4*	*25-150*				
Surrogate: M5PFHxA	*4.48*		"	*4.53*		*99.0*	*25-150*				
Surrogate: M4PFHpA	*4.65*		"	*4.53*		*103*	*25-150*				
Surrogate: M3PFHxS	*4.28*		"	*4.28*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.95*		"	*4.53*		*87.2*	*25-150*				
Surrogate: M6PFDA	*4.70*		"	*4.53*		*104*	*25-150*				
Surrogate: M7PFUdA	*4.25*		"	*4.53*		*93.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.68*		"	*4.53*		*81.3*	*25-150*				
Surrogate: M2PFTeDA	*3.09*		"	*4.53*		*68.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.40*		"	*4.53*		*97.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.51*		"	*4.33*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.40*		"	*4.53*		*97.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.79*		"	*4.53*		*61.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.06*		"	*4.53*		*89.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.46*		"	*4.53*		*76.4*	*25-150*				
Surrogate: M2-6:2 FTS	*3.65*		"	*4.30*		*84.9*	*25-200*				
Surrogate: M2-8:2 FTS	*3.90*		"	*4.34*		*89.9*	*25-200*				
Surrogate: M9PFNA	*4.92*		"	*4.53*		*109*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21343-BS1) LCS								Prepared: 02/03/2022 Analyzed: 02/05/2022			
Perfluorobutanesulfonic acid (PFBS)	4.38	0.244	ug/kg wet	4.31		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.59	0.244	"	4.87		94.3	50-130				
Perfluoroheptanoic acid (PFHpA)	4.57	0.244	"	4.87		93.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.52	0.244	"	4.44		102	50-130				
Perfluorooctanoic acid (PFOA)	4.86	0.244	"	4.87		99.8	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.32	0.244	"	4.51		95.8	50-130				
Perfluorononanoic acid (PFNA)	4.22	0.244	"	4.87		86.5	50-130				
Perfluorodecanoic acid (PFDA)	4.34	0.244	"	4.87		89.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.82	0.244	"	4.87		99.0	50-130				
Perfluorododecanoic acid (PFDoA)	4.70	0.244	"	4.87		96.3	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.36	0.244	"	4.87		89.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.97	0.244	"	4.87		102	50-130				
N-MeFOSAA	3.88	0.244	"	4.87		79.7	50-130				
N-EtFOSAA	4.78	0.244	"	4.87		98.1	50-130				
Perfluoropentanoic acid (PFPeA)	4.67	0.244	"	4.87		95.8	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.20	0.244	"	4.87		86.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.81	0.244	"	4.66		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.29	0.244	"	4.70		70.0	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.70	0.244	"	4.63		101	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.74	0.244	"	4.68		101	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.82	0.244	"	4.87		98.8	50-130				
Surrogate: M3PFBS	*4.10*		*"*	*4.53*		*90.6*	*25-150*				
Surrogate: M5PFHxA	*4.88*		*"*	*4.87*		*100*	*25-150*				
Surrogate: M4PFHpA	*4.90*		*"*	*4.87*		*101*	*25-150*				
Surrogate: M3PFHxS	*4.42*		*"*	*4.61*		*95.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.52*		*"*	*4.87*		*92.8*	*25-150*				
Surrogate: M6PFDA	*4.92*		*"*	*4.87*		*101*	*25-150*				
Surrogate: M7PFUdA	*4.20*		*"*	*4.87*		*86.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.10*		*"*	*4.87*		*84.2*	*25-150*				
Surrogate: M2PFTeDA	*3.47*		*"*	*4.87*		*71.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.59*		*"*	*4.87*		*94.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.60*		*"*	*4.66*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.65*		*"*	*4.87*		*95.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.71*		*"*	*4.87*		*76.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.67*		*"*	*4.87*		*95.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.87*		*"*	*4.87*		*79.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.92*		*"*	*4.63*		*84.7*	*25-200*				
Surrogate: M2-8:2 FTS	*3.76*		*"*	*4.67*		*80.4*	*25-200*				
Surrogate: M9PFNA	*5.10*		*"*	*4.87*		*105*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21343-MS1) Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)							Prepared: 02/03/2022 Analyzed: 02/05/2022			
Perfluorobutanesulfonic acid (PFBS)	4.82	0.269	ug/kg dry	4.77	ND	101	25-150				
Perfluorohexanoic acid (PFHxA)	4.89	0.269	"	5.39	ND	90.7	25-150				
Perfluoroheptanoic acid (PFHpA)	5.96	0.269	"	5.39	ND	111	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.78	0.269	"	4.90	ND	77.1	25-150				
Perfluorooctanoic acid (PFOA)	4.28	0.269	"	5.39	0.285	74.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	7.64	0.269	"	4.98	ND	153	25-150	High Bias			
Perfluorononanoic acid (PFNA)	5.03	0.269	"	5.39	ND	93.3	25-150				
Perfluorodecanoic acid (PFDA)	5.76	0.269	"	5.39	ND	107	25-150				
Perfluoroundecanoic acid (PFUnA)	5.60	0.269	"	5.39	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	5.49	0.269	"	5.39	ND	102	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.08	0.269	"	5.39	ND	94.4	25-150				
Perfluorotetradecanoic acid (PFTA)	5.92	0.269	"	5.39	ND	110	25-150				
N-MeFOSAA	4.20	0.269	"	5.39	ND	78.0	25-150				
N-EtFOSAA	4.99	0.269	"	5.39	ND	92.6	25-150				
Perfluoropentanoic acid (PFPeA)	5.17	0.269	"	5.39	ND	95.9	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.07	0.269	"	5.39	ND	113	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.86	0.269	"	5.15	ND	133	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.00	0.269	"	5.20	ND	77.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.47	0.269	"	5.12	ND	67.8	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.99	0.269	"	5.17	ND	96.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.63	0.269	"	5.39	ND	104	25-150				
Surrogate: M3PFBS	*3.52*		*"*	*5.01*		*70.3*	*25-150*				
Surrogate: M5PFHxA	*4.13*		*"*	*5.39*		*76.6*	*25-150*				
Surrogate: M4PFHpA	*3.43*		*"*	*5.39*		*63.6*	*25-150*				
Surrogate: M3PFHxS	*4.60*		*"*	*5.10*		*90.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.97*		*"*	*5.39*		*92.3*	*25-150*				
Surrogate: M6PFDA	*4.31*		*"*	*5.39*		*80.1*	*25-150*				
Surrogate: M7PFUdA	*3.81*		*"*	*5.39*		*70.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.03*		*"*	*5.39*		*56.2*	*25-150*				
Surrogate: M2PFTeDA	*2.55*		*"*	*5.39*		*47.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.70*		*"*	*5.39*		*68.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.97*		*"*	*5.16*		*77.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.70*		*"*	*5.39*		*68.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.74*		*"*	*5.39*		*50.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.25*		*"*	*5.39*		*97.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.01*		*"*	*5.39*		*93.0*	*25-150*				
Surrogate: M2-6:2 FTS	*8.74*		*"*	*5.11*		*171*	*25-200*				
Surrogate: M2-8:2 FTS	*6.32*		*"*	*5.16*		*122*	*25-200*				
Surrogate: M9PFNA	*4.74*		*"*	*5.39*		*88.0*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21343-MS2) Matrix Spike	*Source sample: 22B0121-01 (Matrix Spike)										Prepared: 02/03/2022 Analyzed: 02/05/2022
Perfluorobutanesulfonic acid (PFBS)	4.28	0.258	ug/kg dry	4.58	ND	93.5	25-150				
Perfluorohexanoic acid (PFHxA)	4.64	0.258	"	5.17	ND	89.7	25-150				
Perfluoroheptanoic acid (PFHpA)	4.76	0.258	"	5.17	ND	92.1	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.54	0.258	"	4.70	ND	75.2	25-150				
Perfluorooctanoic acid (PFOA)	4.98	0.258	"	5.17	0.291	90.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.72	0.258	"	4.78	0.394	111	25-150				
Perfluorononanoic acid (PFNA)	5.15	0.258	"	5.17	ND	99.6	25-150				
Perfluorodecanoic acid (PFDA)	5.07	0.258	"	5.17	ND	98.2	25-150				
Perfluoroundecanoic acid (PFUnA)	5.32	0.258	"	5.17	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	5.35	0.258	"	5.17	ND	103	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.74	0.258	"	5.17	ND	91.7	25-150				
Perfluorotetradecanoic acid (PFTA)	4.85	0.258	"	5.17	ND	93.8	25-150				
N-MeFOSAA	4.56	0.258	"	5.17	ND	88.1	25-150				
N-EtFOSAA	6.78	0.258	"	5.17	ND	131	25-150				
Perfluoropentanoic acid (PFPeA)	4.79	0.258	"	5.17	ND	92.6	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.53	0.258	"	5.17	ND	87.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.90	0.258	"	4.94	ND	120	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.77	0.258	"	4.99	ND	95.5	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.85	0.258	"	4.91	ND	98.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.46	0.258	"	4.96	ND	110	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.01	0.258	"	5.17	0.343	90.4	25-150				
Surrogate: M3PFBS	*3.70*		*"*	*4.80*		*77.1*	*25-150*				
Surrogate: M5PFHxA	*4.51*		*"*	*5.17*		*87.2*	*25-150*				
Surrogate: M4PFHpA	*4.28*		*"*	*5.17*		*82.8*	*25-150*				
Surrogate: M3PFHxS	*4.32*		*"*	*4.89*		*88.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.39*		*"*	*5.17*		*84.8*	*25-150*				
Surrogate: M6PFDA	*3.58*		*"*	*5.17*		*69.3*	*25-150*				
Surrogate: M7PFUdA	*3.60*		*"*	*5.17*		*69.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.58*		*"*	*5.17*		*69.2*	*25-150*				
Surrogate: M2PFTeDA	*3.06*		*"*	*5.17*		*59.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.19*		*"*	*5.17*		*81.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.25*		*"*	*4.95*		*65.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.43*		*"*	*5.17*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.23*		*"*	*5.17*		*62.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.66*		*"*	*5.17*		*70.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.81*		*"*	*5.17*		*54.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.12*		*"*	*4.91*		*63.5*	*25-200*				
Surrogate: M2-8:2 FTS	*2.48*		*"*	*4.95*		*50.0*	*25-200*				
Surrogate: M9PFNA	*3.47*		*"*	*5.17*		*67.1*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21343-M Matrix Spike Dup	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/03/2022 Analyzed: 02/05/2022		
Perfluorobutanesulfonic acid (PFBS)	5.18	0.272	ug/kg dry	4.82	ND	108	25-150		7.09	35	
Perfluorohexanoic acid (PFHxA)	4.83	0.272	"	5.44	ND	88.7	25-150		1.15	35	
Perfluoroheptanoic acid (PFHpA)	6.33	0.272	"	5.44	ND	116	25-150		6.07	35	
Perfluorohexanesulfonic acid (PFHxS)	4.09	0.272	"	4.95	ND	82.6	25-150		7.90	35	
Perfluorooctanoic acid (PFOA)	4.59	0.272	"	5.44	0.285	79.2	25-150		7.08	35	
Perfluorooctanesulfonic acid (PFOS)	6.61	0.272	"	5.03	ND	131	25-150		14.5	35	
Perfluorononanoic acid (PFNA)	4.76	0.272	"	5.44	ND	87.5	25-150		5.51	35	
Perfluorodecanoic acid (PFDA)	5.00	0.272	"	5.44	ND	91.9	25-150		14.1	35	
Perfluoroundecanoic acid (PFUnA)	5.30	0.272	"	5.44	ND	97.5	25-150		5.45	35	
Perfluorododecanoic acid (PFDoA)	5.26	0.272	"	5.44	ND	96.6	25-150		4.28	35	
Perfluorotridecanoic acid (PFTrDA)	4.83	0.272	"	5.44	ND	88.7	25-150		5.18	35	
Perfluorotetradecanoic acid (PFTA)	5.51	0.272	"	5.44	ND	101	25-150		7.18	35	
N-MeFOSAA	5.14	0.272	"	5.44	ND	94.5	25-150		20.1	35	
N-EtFOSAA	5.84	0.272	"	5.44	ND	107	25-150		15.7	35	
Perfluoropentanoic acid (PFPeA)	5.26	0.272	"	5.44	ND	96.7	25-150		1.86	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.85	0.272	"	5.44	ND	108	25-150		3.71	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.56	0.272	"	5.20	ND	126	25-150		4.51	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.80	0.272	"	5.25	ND	72.3	25-150		5.27	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.03	0.272	"	5.17	ND	78.0	25-200		15.0	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.29	0.272	"	5.22	ND	82.1	25-200		15.1	35	
Perfluoro-n-butanoic acid (PFBA)	5.78	0.272	"	5.44	ND	106	25-150		2.69	35	
Surrogate: M3PFBS	*3.60*		*"*	*5.06*		*71.2*	*25-150*				
Surrogate: M5PFHxA	*4.47*		*"*	*5.44*		*82.2*	*25-150*				
Surrogate: M4PFHpA	*3.37*		*"*	*5.44*		*61.9*	*25-150*				
Surrogate: M3PFHxS	*4.53*		*"*	*5.15*		*88.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.40*		*"*	*5.44*		*99.3*	*25-150*				
Surrogate: M6PFDA	*4.73*		*"*	*5.44*		*87.0*	*25-150*				
Surrogate: M7PFUdA	*4.28*		*"*	*5.44*		*78.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.39*		*"*	*5.44*		*62.3*	*25-150*				
Surrogate: M2PFTeDA	*2.79*		*"*	*5.44*		*51.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.00*		*"*	*5.44*		*73.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.26*		*"*	*5.21*		*81.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.97*		*"*	*5.44*		*73.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.73*		*"*	*5.44*		*50.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.12*		*"*	*5.44*		*94.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.34*		*"*	*5.44*		*98.1*	*25-150*				
Surrogate: M2-6:2 FTS	*10.4*		*"*	*5.16*		*201*	*25-200*				
Surrogate: M2-8:2 FTS	*9.89*		*"*	*5.21*		*190*	*25-200*				
Surrogate: M9PFNA	*5.00*		*"*	*5.44*		*91.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21343 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21343-M Matrix Spike Dup *Source sample: 22B0121-01 (Matrix Spike Dup) Prepared: 02/03/2022 Analyzed: 02/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.40	0.278	ug/kg dry	4.92	ND	89.5	25-150		2.77	35	
Perfluorohexanoic acid (PFHxA)	4.93	0.278	"	5.56	ND	88.8	25-150		6.22	35	
Perfluoroheptanoic acid (PFHpA)	5.29	0.278	"	5.56	ND	95.2	25-150		10.5	35	
Perfluorohexanesulfonic acid (PFHxS)	4.89	0.278	"	5.06	ND	96.6	25-150		32.0	35	
Perfluorooctanoic acid (PFOA)	5.30	0.278	"	5.56	0.291	90.2	25-150		6.22	35	
Perfluorooctanesulfonic acid (PFOS)	6.21	0.278	"	5.14	0.394	113	25-150		8.17	35	
Perfluorononanoic acid (PFNA)	5.15	0.278	"	5.56	ND	92.7	25-150		0.00924	35	
Perfluorodecanoic acid (PFDA)	5.35	0.278	"	5.56	ND	96.3	25-150		5.25	35	
Perfluoroundecanoic acid (PFUnA)	5.56	0.278	"	5.56	ND	100	25-150		4.51	35	
Perfluorododecanoic acid (PFDoA)	5.69	0.278	"	5.56	ND	102	25-150		6.23	35	
Perfluorotridecanoic acid (PFTrDA)	5.25	0.278	"	5.56	ND	94.5	25-150		10.2	35	
Perfluorotetradecanoic acid (PFTA)	5.55	0.278	"	5.56	ND	99.8	25-150		13.4	35	
N-MeFOSAA	4.76	0.278	"	5.56	ND	85.6	25-150		4.27	35	
N-EtFOSAA	5.70	0.278	"	5.56	ND	103	25-150		17.3	35	
Perfluoropentanoic acid (PFPeA)	5.40	0.278	"	5.56	ND	97.3	25-150		12.1	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.03	0.278	"	5.56	ND	90.5	25-150		10.5	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.73	0.278	"	5.31	ND	108	25-150		2.99	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.29	0.278	"	5.36	ND	98.7	25-150		10.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.32	0.278	"	5.28	ND	81.9	25-200		11.4	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	10.8	0.278	"	5.33	ND	203	25-200	High Bias	65.8	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	5.57	0.278	"	5.56	0.343	94.1	25-150		10.5	35	
Surrogate: M3PFBS	*4.79*		*"*	*5.16*		*92.8*	*25-150*				
Surrogate: M5PFHxA	*5.48*		*"*	*5.56*		*98.7*	*25-150*				
Surrogate: M4PFHpA	*5.09*		*"*	*5.56*		*91.7*	*25-150*				
Surrogate: M3PFHxS	*4.80*		*"*	*5.26*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.29*		*"*	*5.56*		*95.3*	*25-150*				
Surrogate: M6PFDA	*4.35*		*"*	*5.56*		*78.3*	*25-150*				
Surrogate: M7PFUdA	*4.58*		*"*	*5.56*		*82.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.34*		*"*	*5.56*		*78.1*	*25-150*				
Surrogate: M2PFTeDA	*4.04*		*"*	*5.56*		*72.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.95*		*"*	*5.56*		*89.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.00*		*"*	*5.32*		*75.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.17*		*"*	*5.56*		*93.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.85*		*"*	*5.56*		*51.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.31*		*"*	*5.56*		*77.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.37*		*"*	*5.56*		*78.6*	*25-150*				
Surrogate: M2-6:2 FTS	*4.98*		*"*	*5.27*		*94.5*	*25-200*				
Surrogate: M2-8:2 FTS	*2.17*		*"*	*5.32*		*40.8*	*25-200*				
Surrogate: M9PFNA	*4.54*		*"*	*5.56*		*81.7*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21347 - EPA SW846-3510C Low Level											
Blank (BB21347-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/06/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.118*		*"*	*0.200*		*59.2*	*30-150*				
LCS (BB21347-BS1) LCS									Prepared: 02/03/2022 Analyzed: 02/06/2022		
4,4'-DDD	0.107	0.00400	ug/L	0.100		107	40-140				
4,4'-DDE	0.103	0.00400	"	0.100		103	40-140				
4,4'-DDT	0.121	0.00400	"	0.100		121	40-140				
Aldrin	0.111	0.00400	"	0.100		111	40-140				
alpha-BHC	0.121	0.00400	"	0.100		121	40-140				
alpha-Chlordane	0.114	0.00400	"	0.100		114	40-140				
beta-BHC	0.114	0.00400	"	0.100		114	40-140				
delta-BHC	0.120	0.00400	"	0.100		120	40-140				
Dieldrin	0.118	0.00200	"	0.100		118	40-140				
Endosulfan I	0.119	0.00400	"	0.100		119	40-140				
Endosulfan II	0.117	0.00400	"	0.100		117	40-140				
Endosulfan sulfate	0.104	0.00400	"	0.100		104	40-140				
Endrin	0.118	0.00400	"	0.100		118	40-140				
Endrin aldehyde	0.0986	0.0100	"	0.100		98.6	40-140				
Endrin ketone	0.130	0.0100	"	0.100		130	40-140				
gamma-BHC (Lindane)	0.123	0.00400	"	0.100		123	40-140				
gamma-Chlordane	0.120	0.0100	"	0.100		120	40-140				
Heptachlor	0.108	0.00400	"	0.100		108	40-140				
Heptachlor epoxide	0.120	0.00400	"	0.100		120	40-140				
Methoxychlor	0.117	0.00400	"	0.100		117	40-140				
Surrogate: Tetrachloro-m-xylene	*0.108*		*"*	*0.200*		*53.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21395 - EPA 3550C											
Blank (BB21395-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
alpha-BHC	ND	0.00164	mg/kg wet								
Surrogate: Decachlorobiphenyl	*0.0396*		*"*	*0.0664*		*59.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0378*		*"*	*0.0664*		*56.9*	*30-150*				
LCS (BB21395-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
alpha-BHC	0.0241	0.00164	mg/kg wet	0.0332		72.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0322*		*"*	*0.0664*		*48.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0335*		*"*	*0.0664*		*50.4*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21347 - EPA SW846-3510C Low Level											
Blank (BB21347-BLK2) Blank									Prepared: 02/03/2022 Analyzed: 02/04/2022		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.138*		*"*	*0.200*		*69.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		*"*	*0.200*		*62.5*	*30-120*				
LCS (BB21347-BS2) LCS									Prepared: 02/03/2022 Analyzed: 02/04/2022		
Aroclor 1016	0.789	0.0500	ug/L	1.00		78.9	40-120				
Aroclor 1260	0.823	0.0500	"	1.00		82.3	40-120				
Surrogate: Tetrachloro-m-xylene	*0.119*		*"*	*0.200*		*59.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0870*		*"*	*0.200*		*43.5*	*30-120*				
Matrix Spike (BB21347-MS2) Matrix Spike *Source sample: 22B0058-03 (Matrix Spike)									Prepared: 02/03/2022 Analyzed: 02/04/2022		
Aroclor 1016	0.861	0.0606	ug/L	1.21	ND	71.0	40-140				
Aroclor 1260	1.21	0.0606	"	1.21	ND	99.9	40-140				
Surrogate: Tetrachloro-m-xylene	*0.150*		*"*	*0.242*		*62.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.165*		*"*	*0.242*		*68.0*	*30-120*				
Matrix Spike Dup (BB21347-M Matrix Spike Dup *Source sample: 22B0058-03 (Matrix Spike Dup)									Prepared: 02/03/2022 Analyzed: 02/04/2022		
Aroclor 1016	0.781	0.0606	ug/L	1.21	ND	64.4	40-140		9.72	50	
Aroclor 1260	1.06	0.0606	"	1.21	ND	87.6	40-140		13.1	50	
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.242*		*58.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.139*		*"*	*0.242*		*57.5*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21395 - EPA 3550C											
Blank (BB21395-BLK2) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0558*		*"*	*0.0664*		*84.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0578*		*"*	*0.0664*		*87.0*	*30-150*				
LCS (BB21395-BS2) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.285	0.0166	mg/kg wet	0.332		85.9	40-140			30	
Aroclor 1260	0.313	0.0166	"	0.332		94.1	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0565*		*"*	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0598*		*"*	*0.0664*		*90.0*	*30-150*				
Matrix Spike (BB21395-MS2) Matrix Spike *Source sample: 22B0118-01 (EP48_7.5)									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.194	0.0208	mg/kg dry	0.416	ND	46.7	40-140			30	
Aroclor 1260	0.314	0.0208	"	0.416	ND	75.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0732*		*"*	*0.0832*		*88.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0707*		*"*	*0.0832*		*85.0*	*30-150*				
Matrix Spike Dup (BB21395-M Matrix Spike Dup *Source sample: 22B0118-01 (EP48_7.5)									Prepared: 02/04/2022 Analyzed: 02/07/2022		
Aroclor 1016	0.186	0.0208	mg/kg dry	0.416	ND	44.7	40-140		4.46	30	
Aroclor 1260	0.264	0.0208	"	0.416	ND	63.4	40-140		17.6	30	
Surrogate: Tetrachloro-m-xylene	*0.0649*		*"*	*0.0832*		*78.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0657*		*"*	*0.0832*		*79.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21349 - EPA 8151A											
Blank (BB21349-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*81.2*		*"*	*125*		*65.0*	*30-150*				
LCS (BB21349-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	15.5	5.00	ug/L	40.0		38.8	10-140				
2,4,5-TP (Silvex)	16.8	5.00	"	40.0		41.9	10-139				
2,4-D	17.5	5.00	"	40.0		43.8	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.5*		*"*	*125*		*62.8*	*30-150*				
Matrix Spike (BB21349-MS1) Matrix Spike *Source sample: 22B0058-03 (Matrix Spike)									Prepared: 02/03/2022 Analyzed: 02/07/2022		
2,4,5-T	15.2	5.00	ug/L	40.0	ND	38.1	30-150				
2,4,5-TP (Silvex)	16.2	5.00	"	40.0	ND	40.6	30-150				
2,4-D	17.5	5.00	"	40.0	ND	43.8	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.8*		*"*	*125*		*63.0*	*30-150*				
Matrix Spike Dup (BB21349-M Matrix Spike Dup *Source sample: 22B0058-03 (Matrix Spike Dup)									Prepared: 02/03/2022 Analyzed: 02/07/2022		
2,4,5-T	9.50	5.00	ug/L	40.0	ND	23.8	30-150	Low Bias	46.5	30	Non-dir.
2,4,5-TP (Silvex)	10.0	5.00	"	40.0	ND	25.0	30-150	Low Bias	47.6	30	Non-dir.
2,4-D	10.5	5.00	"	40.0	ND	26.2	30-150	Low Bias	50.0	30	Non-dir.
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*61.8*		*"*	*125*		*49.4*	*30-150*				
Batch BB21429 - EPA 3550C/8151A											
Blank (BB21429-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.179*		*"*	*0.415*		*43.2*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21429 - EPA 3550C/8151A											
LCS (BB21429-BS1) LCS									Prepared: 02/04/2022 Analyzed: 02/07/2022		
2,4,5-T	0.0332	0.0199	mg/kg wet	0.133		25.0	10-120				
2,4,5-TP (Silvex)	0.0399	0.0199	"	0.133		30.0	10-120				
2,4-D	0.0390	0.0199	"	0.133		29.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.246*		*"*	*0.415*		*59.2*	*21-150*				
Matrix Spike (BB21429-MS1) Matrix Spike									Prepared: 02/04/2022 Analyzed: 02/07/2022		
*Source sample: 22B0118-01 (EP48_7.5)											
2,4,5-T	0.0967	0.0250	mg/kg dry	0.166	ND	58.1	10-120				
2,4,5-TP (Silvex)	0.101	0.0250	"	0.166	ND	60.6	10-120				
2,4-D	0.115	0.0250	"	0.166	ND	69.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.429*		*"*	*0.520*		*82.4*	*21-150*				
Matrix Spike Dup (BB21429-M Matrix Spike Dup									Prepared: 02/04/2022 Analyzed: 02/07/2022		
*Source sample: 22B0118-01 (EP48_7.5)											
2,4,5-T	0.0874	0.0250	mg/kg dry	0.166	ND	52.5	10-120		10.2	35	
2,4,5-TP (Silvex)	0.0926	0.0250	"	0.166	ND	55.6	10-120		8.60	35	
2,4-D	0.101	0.0250	"	0.166	ND	60.6	10-118		13.5	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.411*		*"*	*0.520*		*79.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Blank (BB21373-BLK1) Blank									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	21.5	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21373-DUP1) Duplicate	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	8480	6.26	mg/kg dry		4530				60.7	35	Non-dir.
Antimony	ND	3.13	"		13.9					35	
Arsenic	9.96	1.88	"		4.91				67.9	35	Non-dir.
Barium	114	3.13	"		83.7				30.2	35	
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.376	"		ND					35	
Calcium	39800	6.26	"		4080				163	35	Non-dir.
Chromium	49.3	0.626	"		26.1				61.5	35	Non-dir.
Cobalt	19.6	0.501	"		10.9				57.1	35	Non-dir.
Copper	78.9	2.50	"		51.4				42.1	35	Non-dir.
Iron	22000	31.3	"		12900				52.4	35	Non-dir.
Lead	205	0.626	"		146				33.7	35	
Magnesium	10600	6.26	"		5840				57.9	35	Non-dir.
Manganese	498	0.626	"		206				82.8	35	Non-dir.
Nickel	296	1.25	"		139				72.2	35	Non-dir.
Potassium	1120	6.26	"		720				43.5	35	Non-dir.
Selenium	ND	3.13	"		ND					35	
Silver	ND	0.626	"		ND					35	
Sodium	306	62.6	"		217				33.8	35	
Thallium	ND	3.13	"		ND					35	
Vanadium	32.1	1.25	"		17.9				57.0	35	Non-dir.
Zinc	164	3.13	"		142				14.5	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Matrix Spike (BB21373-MS1) Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	5470	6.26	mg/kg dry	250	4530	375	75-125	High Bias			
Antimony	8.26	3.13	"	31.3	13.9	NR	75-125	Low Bias			
Arsenic	275	1.88	"	250	4.91	108	75-125				
Barium	377	3.13	"	250	83.7	117	75-125				
Beryllium	6.49	0.063	"	6.26	ND	104	75-125				
Cadmium	6.55	0.376	"	6.26	ND	105	75-125				
Calcium	29700	6.26	"	125	4080	NR	75-125	High Bias			
Chromium	56.9	0.626	"	25.0	26.1	123	75-125				
Cobalt	83.1	0.501	"	62.6	10.9	115	75-125				
Copper	88.3	2.50	"	31.3	51.4	118	75-125				
Iron	13800	31.3	"	125	12900	768	75-125	High Bias			
Lead	209	0.626	"	62.6	146	101	75-125				
Magnesium	8190	6.26	"	125	5840	NR	75-125	High Bias			
Manganese	356	0.626	"	62.6	206	239	75-125	High Bias			
Nickel	254	1.25	"	62.6	139	184	75-125	High Bias			
Potassium	837	6.26	"	125	720	93.7	75-125				
Selenium	234	3.13	"	250	ND	93.4	75-125				
Silver	11.1	0.626	"	6.26	ND	177	75-125	High Bias			
Sodium	317	62.6	"	125	217	79.7	75-125				
Thallium	253	3.13	"	250	ND	101	75-125				
Vanadium	92.4	1.25	"	62.6	17.9	119	75-125				
Zinc	220	3.13	"	62.6	142	126	75-125	High Bias			
Post Spike (BB21373-PS1) Post Spike	*Source sample: 22B0118-01 (EP48_7.5)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	39.4		ug/mL	2.00	36.2	160	75-125	High Bias			
Antimony	0.384		"	0.250	0.111	109	75-125				
Arsenic	2.08		"	2.00	0.039	102	75-125				
Barium	2.90		"	2.00	0.669	112	75-125				
Beryllium	0.049		"	0.0500	-0.004	98.0	75-125				
Cadmium	0.054		"	0.0500	0.001	106	75-125				
Calcium	33.3		"	1.00	32.6	71.8	75-125	Low Bias			
Chromium	0.416		"	0.200	0.209	104	75-125				
Cobalt	0.639		"	0.500	0.087	110	75-125				
Copper	0.659		"	0.250	0.411	99.4	75-125				
Iron	102		"	1.00	103	NR	75-125	Low Bias			
Lead	1.71		"	0.500	1.16	110	75-125				
Magnesium	47.2		"	1.00	46.6	56.3	75-125	Low Bias			
Manganese	2.18		"	0.500	1.65	106	75-125				
Nickel	1.63		"	0.500	1.11	104	75-125				
Potassium	7.03		"	1.00	5.75	128	75-125	High Bias			
Selenium	1.80		"	2.00	-0.024	89.9	75-125				
Silver	0.048		"	0.0500	0.003	89.6	75-125				
Sodium	2.82		"	1.00	1.74	108	75-125				
Thallium	2.03		"	2.00	-0.021	102	75-125				
Vanadium	0.682		"	0.500	0.143	108	75-125				
Zinc	1.61		"	0.500	1.13	95.0	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21373 - EPA 3050B											
Reference (BB21373-SRM1) Reference								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Aluminum	10600	5.00	mg/kg wet	8130		130	49.9-150.1				
Antimony	98.2	2.50	"	134		73.2	19.3-250				
Arsenic	187	1.50	"	156		120	69.9-130.1				
Barium	310	2.50	"	239		130	74.9-124.7	High Bias			
Beryllium	199	0.050	"	169		117	75.1-125.4				
Cadmium	164	0.300	"	137		120	75.2-124.8				
Calcium	5590	5.00	"	4760		117	72.7-127.5				
Chromium	191	0.500	"	154		124	70.1-129.9				
Cobalt	152	0.400	"	121		126	75-124.8	High Bias			
Copper	71.1	2.00	"	54.9		130	74.9-125	High Bias			
Iron	18100	25.0	"	14100		129	34.9-164.5				
Lead	154	0.500	"	130		118	71.8-128.5				
Magnesium	2700	5.00	"	2320		117	62.1-137.9				
Manganese	341	0.500	"	269		127	74-126.4	High Bias			
Nickel	71.6	1.00	"	53.9		133	69.9-129.9	High Bias			
Potassium	2360	5.00	"	2020		117	58.9-141.1				
Selenium	151	2.50	"	167		90.3	67.7-132.3				
Silver	40.4	0.500	"	33.6		120	68.5-131.3				
Sodium	165	50.0	"	133		124	35-165.4				
Thallium	125	2.50	"	112		112	67.9-131.3				
Vanadium	80.0	1.00	"	62.6		128	59.1-141.1				
Zinc	195	2.50	"	158		123	70.3-129.7				
Batch BB21374 - EPA 3050B											
Blank (BB21374-BLK1) Blank								Prepared: 02/03/2022 Analyzed: 02/07/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	5.26	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	7.96	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21374 - EPA 3050B											
Duplicate (BB21374-DUP1) Duplicate	*Source sample: 22B0106-09 (Duplicate)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	11400	5.86	mg/kg dry		13700				18.5	35	
Antimony	ND	2.93	"		3.28					35	
Arsenic	2.20	1.76	"		2.67				19.2	35	
Barium	55.1	2.93	"		65.0				16.4	35	
Beryllium	ND	0.059	"		ND					35	
Cadmium	ND	0.351	"		ND					35	
Calcium	3310	5.86	"		3950				17.6	35	
Chromium	17.7	0.586	"		22.1				22.3	35	
Cobalt	7.65	0.469	"		10.0				27.1	35	
Copper	14.9	2.34	"		17.6				17.0	35	
Iron	16300	29.3	"		20900				24.8	35	
Lead	23.0	0.586	"		24.8				7.62	35	
Magnesium	2550	5.86	"		3080				18.6	35	
Manganese	379	0.586	"		501				27.5	35	
Nickel	14.5	1.17	"		16.4				11.7	35	
Potassium	1020	5.86	"		1490				37.5	35	Non-dir.
Selenium	ND	2.93	"		ND					35	
Silver	ND	0.586	"		ND					35	
Sodium	66.9	58.6	"		74.0				10.2	35	
Thallium	ND	2.93	"		ND					35	
Vanadium	25.2	1.17	"		30.2				17.9	35	
Zinc	48.1	2.93	"		75.1				43.9	35	Non-dir.
Matrix Spike (BB21374-MS1) Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	13200	5.86	mg/kg dry	234	13700	NR	75-125	Low Bias			
Antimony	11.7	2.93	"	29.3	3.28	28.8	75-125	Low Bias			
Arsenic	238	1.76	"	234	2.67	100	75-125				
Barium	326	2.93	"	234	65.0	112	75-125				
Beryllium	5.82	0.059	"	5.86	ND	99.3	75-125				
Cadmium	6.34	0.351	"	5.86	ND	108	75-125				
Calcium	3480	5.86	"	117	3950	NR	75-125	Low Bias			
Chromium	43.6	0.586	"	23.4	22.1	91.6	75-125				
Cobalt	74.8	0.469	"	58.6	10.0	111	75-125				
Copper	47.3	2.34	"	29.3	17.6	101	75-125				
Iron	19000	29.3	"	117	20900	NR	75-125	Low Bias			
Lead	87.6	0.586	"	58.6	24.8	107	75-125				
Magnesium	2770	5.86	"	117	3080	NR	75-125	Low Bias			
Manganese	717	0.586	"	58.6	501	370	75-125	High Bias			
Nickel	79.9	1.17	"	58.6	16.4	108	75-125				
Potassium	1270	5.86	"	117	1490	NR	75-125	Low Bias			
Selenium	194	2.93	"	234	ND	82.9	75-125				
Silver	10.5	0.586	"	5.86	ND	180	75-125	High Bias			
Sodium	206	58.6	"	117	74.0	113	75-125				
Thallium	237	2.93	"	234	ND	101	75-125				
Vanadium	89.5	1.17	"	58.6	30.2	101	75-125				
Zinc	126	2.93	"	58.6	75.1	86.3	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21374 - EPA 3050B											
Post Spike (BB21374-PS1) Post Spike	*Source sample: 22B0106-09 (Post Spike)								Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	115		ug/mL	2.00	117	NR	75-125	Low Bias			
Antimony	0.298		"	0.250	0.028	108	75-125				
Arsenic	2.10		"	2.00	0.023	104	75-125				
Barium	2.88		"	2.00	0.554	116	75-125				
Beryllium	0.049		"	0.0500	-0.006	98.7	75-125				
Cadmium	0.056		"	0.0500	0.0004	111	75-125				
Calcium	33.5		"	1.00	33.7	NR	75-125	Low Bias			
Chromium	0.404		"	0.200	0.189	108	75-125				
Cobalt	0.652		"	0.500	0.086	113	75-125				
Copper	0.440		"	0.250	0.151	116	75-125				
Iron	171		"	1.00	178	NR	75-125	Low Bias			
Lead	0.770		"	0.500	0.212	112	75-125				
Magnesium	26.3		"	1.00	26.3	0.0370	75-125	Low Bias			
Manganese	4.82		"	0.500	4.27	109	75-125				
Nickel	0.683		"	0.500	0.140	109	75-125				
Potassium	13.1		"	1.00	12.7	43.8	75-125	Low Bias			
Selenium	1.70		"	2.00	-0.140	85.1	75-125				
Silver	0.050		"	0.0500	0.003	93.8	75-125				
Sodium	1.70		"	1.00	0.632	107	75-125				
Thallium	2.04		"	2.00	-0.030	102	75-125				
Vanadium	0.822		"	0.500	0.257	113	75-125				
Zinc	1.12		"	0.500	0.641	96.3	75-125				
Reference (BB21374-SRM1) Reference									Prepared: 02/03/2022 Analyzed: 02/07/2022		
Aluminum	11500	5.00	mg/kg wet	8130		142	49.9-150.1				
Antimony	88.1	2.50	"	134		65.7	19.3-250				
Arsenic	193	1.50	"	156		124	69.9-130.1				
Barium	320	2.50	"	239		134	74.9-124.7	High Bias			
Beryllium	212	0.050	"	169		126	75.1-125.4	High Bias			
Cadmium	172	0.300	"	137		125	75.2-124.8	High Bias			
Calcium	6060	5.00	"	4760		127	72.7-127.5				
Chromium	198	0.500	"	154		129	70.1-129.9				
Cobalt	158	0.400	"	121		130	75-124.8	High Bias			
Copper	72.5	2.00	"	54.9		132	74.9-125	High Bias			
Iron	18400	25.0	"	14100		130	34.9-164.5				
Lead	160	0.500	"	130		123	71.8-128.5				
Magnesium	2930	5.00	"	2320		126	62.1-137.9				
Manganese	347	0.500	"	269		129	74-126.4	High Bias			
Nickel	80.7	1.00	"	53.9		150	69.9-129.9	High Bias			
Potassium	2620	5.00	"	2020		129	58.9-141.1				
Selenium	161	2.50	"	167		96.2	67.7-132.3				
Silver	41.6	0.500	"	33.6		124	68.5-131.3				
Sodium	176	50.0	"	133		132	35-165.4				
Thallium	131	2.50	"	112		117	67.9-131.3				
Vanadium	79.1	1.00	"	62.6		126	59.1-141.1				
Zinc	187	2.50	"	158		118	70.3-129.7				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Blank (BB21595-BLK1) Blank											Prepared: 02/08/2022 Analyzed: 02/09/2022
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.105	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BB21595-BS1) LCS											Prepared: 02/08/2022 Analyzed: 02/09/2022
Aluminum	2.33		ug/mL	2.00		117	80-120				
Barium	2.45		"	2.00		123	80-120	High Bias			
Calcium	1.28		"	1.00		128	80-120	High Bias			
Chromium	0.233		"	0.200		116	80-120				
Cobalt	0.610		"	0.500		122	80-120	High Bias			
Copper	0.298		"	0.250		119	80-120				
Iron	1.26		"	1.00		126	80-120	High Bias			
Lead	0.601		"	0.500		120	80-120				
Magnesium	1.23		"	1.00		123	80-120	High Bias			
Manganese	0.611		"	0.500		122	80-120	High Bias			
Nickel	0.594		"	0.500		119	80-120				
Potassium	1.23		"	1.00		123	80-120	High Bias			
Silver	0.0561		"	0.0500		112	80-120				
Sodium	1.15		"	1.00		115	80-120				
Vanadium	0.592		"	0.500		118	80-120				
Zinc	0.566		"	0.500		113	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Duplicate (BB21595-DUP1) Duplicate	*Source sample: 22B0058-03 (Duplicate)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	0.442	0.0556	mg/L		0.946				72.7	20	Non-dir.
Barium	ND	0.0278	"		ND					20	
Calcium	674	0.0556	"		680				0.792	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	0.00468	0.00444	"		0.00472				0.880	20	
Copper	ND	0.0222	"		ND					20	
Iron	166	0.278	"		166				0.00867	20	
Lead	0.00784	0.00556	"		0.00619				23.5	20	Non-dir.
Magnesium	54.8	0.0556	"		54.7				0.0932	20	
Manganese	2.06	0.00556	"		2.08				0.813	20	
Nickel	0.0218	0.0111	"		0.0249				13.1	20	
Potassium	50.2	0.0556	"		50.5				0.578	20	
Silver	ND	0.00556	"		ND					20	
Sodium	225	0.556	"		228				1.48	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	5.63	0.0278	"		5.64				0.131	20	
Matrix Spike (BB21595-MS1) Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	3.03	0.0556	mg/L	2.22	0.946	93.9	75-125				
Barium	2.58	0.0278	"	2.22	ND	116	75-125				
Calcium	666	0.0556	"	1.11	680	NR	75-125	Low Bias			
Chromium	0.254	0.00556	"	0.222	ND	114	75-125				
Cobalt	0.654	0.00444	"	0.556	0.00472	117	75-125				
Copper	0.336	0.0222	"	0.278	ND	121	75-125				
Iron	167	0.278	"	1.11	166	91.3	75-125				
Lead	0.636	0.00556	"	0.556	0.00619	113	75-125				
Magnesium	55.6	0.0556	"	1.11	54.7	84.9	75-125				
Manganese	2.72	0.00556	"	0.556	2.08	114	75-125				
Nickel	0.707	0.0111	"	0.556	0.0249	123	75-125				
Potassium	51.6	0.0556	"	1.11	50.5	97.3	75-125				
Silver	0.0626	0.00556	"	0.0556	ND	113	75-125				
Sodium	227	0.556	"	1.11	228	NR	75-125	Low Bias			
Vanadium	0.639	0.0111	"	0.556	ND	115	75-125				
Zinc	6.11	0.0278	"	0.556	5.64	84.6	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Post Spike (BB21595-PS1) Post Spike	*Source sample: 22B0058-03 (Post Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	3.24		ug/mL	2.00	0.851	120	75-125				
Barium	2.38		"	2.00	0.0230	118	75-125				
Calcium	617		"	1.00	612	482	75-125	High Bias			
Chromium	0.236		"	0.200	-0.00108	118	75-125				
Cobalt	0.607		"	0.500	0.00425	121	75-125				
Copper	0.313		"	0.250	-0.00101	125	75-125				
Iron	156		"	1.00	150	634	75-125	High Bias			
Lead	0.591		"	0.500	0.00557	117	75-125				
Magnesium	51.8		"	1.00	49.2	256	75-125	High Bias			
Manganese	2.49		"	0.500	1.87	124	75-125				
Nickel	0.658		"	0.500	0.0224	127	75-125	High Bias			
Potassium	47.8		"	1.00	45.5	231	75-125	High Bias			
Silver	0.0505		"	0.0500	-0.000364	101	75-125				
Sodium	208		"	1.00	206	245	75-125	High Bias			
Vanadium	0.591		"	0.500	-0.00165	118	75-125				
Zinc	5.58		"	0.500	5.07	102	75-125				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21556 - EPA 3015A											
Blank (BB21556-BLK1) Blank								Prepared & Analyzed: 02/08/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB21556-BS1) LCS								Prepared & Analyzed: 02/08/2022			
Antimony	49.8		ug/L	50.0		99.6	80-120				
Arsenic	49.5		"	50.0		99.0	80-120				
Beryllium	51.3		"	50.0		103	80-120				
Cadmium	48.7		"	50.0		97.3	80-120				
Selenium	48.6		"	50.0		97.2	80-120				
Thallium	50.0		"	50.0		100	80-120				
Duplicate (BB21556-DUP1) Duplicate *Source sample: 22B0034-09 (Duplicate)								Prepared & Analyzed: 02/08/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00219	0.00111	"		0.00226				3.45	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00159	0.00111	"		ND					20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BB21556-MS1) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike)								Prepared & Analyzed: 02/08/2022			
Antimony	43.7		ug/L	50.0	0.125	87.2	75-125				
Arsenic	52.4		"	50.0	2.04	101	75-125				
Beryllium	35.6		"	50.0	0.002	71.2	75-125	Low Bias			
Cadmium	47.9		"	50.0	0.021	95.8	75-125				
Selenium	49.2		"	50.0	0.527	97.3	75-125				
Thallium	50.5		"	50.0	0.008	101	75-125				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21536 - EPA SW846-7470A												
Blank (BB21536-BLK1)	Blank								Prepared & Analyzed: 02/07/2022			
Mercury		ND	0.0002	mg/L								
LCS (BB21536-BS1)	LCS								Prepared & Analyzed: 02/07/2022			
Mercury		0.0021230	0.0002	mg/L	0.00200		106	80-120				
Duplicate (BB21536-DUP1)	Duplicate	*Source sample: 22B0058-03 (Duplicate)							Prepared & Analyzed: 02/07/2022			
Mercury		ND	0.0002	mg/L		ND					20	
Matrix Spike (BB21536-MS1)	Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)							Prepared & Analyzed: 02/07/2022			
Mercury		0.0019	0.0002	mg/L	0.00200	ND	96.9	75-125				
Batch BB21547 - EPA 7473 soil												
Blank (BB21547-BLK1)	Blank								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB21547-DUP1)	Duplicate	*Source sample: 22B0118-01 (EP48_7.5)							Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury		0.323	0.0376	mg/kg dry		0.311				3.83	35	
Matrix Spike (BB21547-MS1)	Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)							Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury		0.760		mg/kg	0.500	0.249	102	75-125				
Reference (BB21547-SRM1)	Reference								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury		24.111		mg/kg	27.2		88.6	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21304 - Analysis Preparation												
Blank (BB21304-BLK1)	Blank								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB21304-BS1)	LCS								Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent		0.511	0.0100	mg/L	0.500		102	80-120				
Duplicate (BB21304-DUP1)	Duplicate	*Source sample: 22B0083-01 (Duplicate)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21304-MS1)	Matrix Spike	*Source sample: 22B0083-01 (Matrix Spike)							Prepared & Analyzed: 02/02/2022			
Chromium, Hexavalent		0.496	0.0100	mg/L	0.500	ND	99.2	75-125				
Batch BB21327 - EPA SW846-3060												
Blank (BB21327-BLK1)	Blank								Prepared: 02/03/2022 Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21327-DUP1)	Duplicate	*Source sample: 22B0106-09 (Duplicate)							Prepared: 02/03/2022 Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.586	mg/kg dry		ND					35	
Matrix Spike (BB21327-MS1)	Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)							Prepared: 02/03/2022 Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.586	mg/kg dry	23.4	ND		75-125	Low Bias			
Reference (BB21327-SRM1)	Reference								Prepared: 02/03/2022 Analyzed: 02/04/2022			
Chromium, Hexavalent		48.8		mg/L	109		44.8	30-169.7				
Batch BB21382 - Analysis Preparation Soil												
Blank (BB21382-BLK1)	Blank								Prepared & Analyzed: 02/03/2022			
Cyanide, total		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21382 - Analysis Preparation Soil												
Duplicate (BB21382-DUP1)	Duplicate	*Source sample: 22B0106-09 (Duplicate)								Prepared & Analyzed: 02/03/2022		
Cyanide, total		ND	0.586	mg/kg dry		ND					15	
Matrix Spike (BB21382-MS1)	Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)								Prepared & Analyzed: 02/03/2022		
Cyanide, total		12.1	0.586	mg/kg dry	11.7	ND	103	79.6-107				
Reference (BB21382-SRM1)	Reference									Prepared & Analyzed: 02/03/2022		
Cyanide, total		84.3		ug/mL	86.8		97.1	41.82-157.83				
Batch BB21398 - Analysis Preparation Soil												
Blank (BB21398-BLK1)	Blank									Prepared & Analyzed: 02/04/2022		
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21398-DUP1)	Duplicate	*Source sample: 22B0118-01 (EP48_7.5)								Prepared & Analyzed: 02/04/2022		
Cyanide, total		ND	0.626	mg/kg dry		ND					15	
Matrix Spike (BB21398-MS1)	Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)								Prepared & Analyzed: 02/04/2022		
Cyanide, total		13.5	0.626	mg/kg dry	12.5	ND	108	79.6-107	High Bias			
Reference (BB21398-SRM1)	Reference									Prepared & Analyzed: 02/04/2022		
Cyanide, total		98.7		ug/mL	86.8		114	41.82-157.83				
Batch BB21404 - EPA SW846-3060												
Blank (BB21404-BLK1)	Blank									Prepared & Analyzed: 02/04/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21404 - EPA SW846-3060												
Duplicate (BB21404-DUP1)	Duplicate	*Source sample: 22B0118-01 (EP48_7.5)								Prepared & Analyzed: 02/04/2022		
Chromium, Hexavalent		ND	0.626	mg/kg dry		ND					35	
Matrix Spike (BB21404-MS1)	Matrix Spike	*Source sample: 22B0118-01 (EP48_7.5)								Prepared & Analyzed: 02/04/2022		
Chromium, Hexavalent		ND	0.626	mg/kg dry	25.0	ND		75-125	Low Bias			
Reference (BB21404-SRM1)	Reference									Prepared & Analyzed: 02/04/2022		
Chromium, Hexavalent		48.8		mg/L	109		44.8	30-169.7				
Batch BB21562 - Analysis Preparation												
Blank (BB21562-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BB21562-BS1)	LCS									Prepared & Analyzed: 02/08/2022		
Cyanide, total		0.205	0.0100	mg/L	0.200		102	76.2-107				
Duplicate (BB21562-DUP1)	Duplicate	*Source sample: 22B0106-12 (Duplicate)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BB21562-MS1)	Matrix Spike	*Source sample: 22B0106-12 (Matrix Spike)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		0.202	0.0100	mg/L	0.200	ND	101	79-105				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21358 - % Solids Prep											
Duplicate (BB21358-DUP1) Duplicate	*Source sample: 22B0118-01 (EP48_7.5)							Prepared & Analyzed: 02/03/2022			
% Solids	77.2	0.100	%		79.9				3.37	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0118-01	EP48_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0118-02	EP49_7.5	40mL 01_Clear Vial Cool to 4° C
22B0118-03	DUP01_2222	40mL Vial with Stir Bar-Cool 4° C
22B0118-04	FB01_2222	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0118-06	TB01_2222	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC limits.
M-SRD1	The serial dilution for this element was outside control limits.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.: 22B0118

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company: same →
Address: 360 West 31st Street 8th floor, New York, NY	Address: 360 West 31st Street 8th floor, New York, NY	Address: →
Phone: 212-479-5400	Phone: 212-479-5400	Phone: →
Contact: Kim Seman	Contact: Kim Seman	Contact: →
E-mail: Kseman@langan.com	E-mail: Kseman@langan.com	E-mail: →

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	✓
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report; QA Report; NY ASP A Package; (NY ASP B Package); CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP48_7.5	S	1/28/2022 13:50	TCL/Part 375 VOCs and SVOCs, PCBs, Pesticides, Herbicides, metals including cyanide, hex + trivalent chromium, PFAS, 1,4-dioxane *	MS/MSD
EP49_7.5	↓	13:40		
DUP01_2322	↓			
FB01_2322	other/AQ	14:15	* "Run for all sampling"	
FB01_PFAS_2322	↓	14:25	PFAS	
TB01_2322	↓	15:30	VOCs	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondences.

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Jessica Fecko / Langan	2/2/2022 15:54	York Lab 2-2-22	1554	York Lab 2-2-22	2055
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[signature]	2/2/22 2055

Temp. Received at Lab: 2.8 Degrees C

Technical Report

prepared for:

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

Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0178

Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0178

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 03, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0178-01	EP27_7.5	Soil	02/03/2022	02/03/2022
22B0178-02	EP47_7.5	Soil	02/03/2022	02/03/2022
22B0178-03	EP59_7.5	Soil	02/03/2022	02/03/2022
22B0178-04	FB01_PFAS_02032022	Water	02/03/2022	02/03/2022

General Notes for York Project (SDG) No.: 22B0178

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

Approved By **Date:** 02/10/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**	CCV-E	mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.875**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	1.20	2.41	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.587**	J	mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	1.20	2.41	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**2.13**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**2.47**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.12**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.53**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.18**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.322**	J	mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2.73**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.534**	J	mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.602	1.20	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**5.62**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.476**	J	mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.41**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.414**	J	mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**3.07**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**4.73**		mg/kg dry	0.302	0.602	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	1.20	2.41	2	EPA 8270D	02/04/2022 13:28	02/09/2022 15:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*93.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*84.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*98.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*84.1 %*	*24-116*

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 12:58	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*38.0 %*	S-08	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.324	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:40	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*73.0 %*	*25-150*
Surrogate: M5PFHxA	*79.3 %*	*25-150*
Surrogate: M4PFHpA	*70.6 %*	*25-150*
Surrogate: M3PFHxS	*84.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*79.9 %*	*25-150*
Surrogate: M6PFDA	*80.1 %*	*25-150*
Surrogate: M7PFUdA	*74.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*58.9 %*	*25-150*
Surrogate: M2PFTeDA	*53.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*87.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*70.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*85.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*87.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*123 %*	*25-200*
Surrogate: M2-8:2 FTS	*115 %*	*25-200*
Surrogate: M9PFNA	*89.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 15:54	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 15:54	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 15:54	CM

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.215	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0430	5	EPA 8081B	02/07/2022 08:21	02/09/2022 15:54	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.6 %*	*30-150*

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0217	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:08	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0263	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0263	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0263	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*52.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8670**		mg/kg dry	6.67	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.34	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.08**		mg/kg dry	2.00	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**160**		mg/kg dry	3.34	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**1.12**		mg/kg dry	0.067	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.840**		mg/kg dry	0.400	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**24800**	B	mg/kg dry	6.67	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**35.9**		mg/kg dry	0.667	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**16.2**		mg/kg dry	0.534	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**54.0**		mg/kg dry	2.67	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**18300**		mg/kg dry	33.4	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**167**		mg/kg dry	0.667	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**8870**		mg/kg dry	6.67	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**249**		mg/kg dry	0.667	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**190**		mg/kg dry	1.33	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1070**		mg/kg dry	6.67	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	3.34	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.667	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**359**		mg/kg dry	66.7	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	3.34	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**27.7**		mg/kg dry	1.33	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**221**		mg/kg dry	3.34	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP27_7.5 **York Sample ID:** 22B0178-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 12:00 pm	02/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.214**		mg/kg dry	0.0400	1	EPA 7473	02/07/2022 21:42	02/08/2022 14:37	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.667	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**35.9**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.667	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.9**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0025**	J	mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**	CCV-E	mg/kg dry	0.0049	0.0098	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0583**	J	mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.203	0.406	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0737**	J	mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.228**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.217**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.173**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.152**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.175**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.241**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.203	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.450**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.128**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0632**	J	mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.276**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.422**		mg/kg dry	0.0508	0.101	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D	02/04/2022 13:28	02/09/2022 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*60.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*54.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*69.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.2 %*	*24-116*

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 13:15	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 17:52	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*77.7 %*	*25-150*
Surrogate: M5PFHxA	*86.5 %*	*25-150*
Surrogate: M4PFHpA	*72.0 %*	*25-150*
Surrogate: M3PFHxS	*83.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.5 %*	*25-150*
Surrogate: M6PFDA	*80.9 %*	*25-150*
Surrogate: M7PFUdA	*76.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*62.5 %*	*25-150*
Surrogate: M2PFTeDA	*57.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*92.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*44.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*99.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*81.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*99.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*86.4 %*	*25-200*
Surrogate: M9PFNA	*96.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:11	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:11	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:11	CM

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.199	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0397	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:11	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.6 %*	*30-150*

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:21	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:20	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:20	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0242	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:20	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*63.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6820**		mg/kg dry	6.10	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.05	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.04**		mg/kg dry	1.83	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**58.6**		mg/kg dry	3.05	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.366	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**15700**	B	mg/kg dry	6.10	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.2**		mg/kg dry	0.610	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.0**		mg/kg dry	0.488	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**52.2**		mg/kg dry	2.44	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**11600**		mg/kg dry	30.5	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**102**		mg/kg dry	0.610	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9390**		mg/kg dry	6.10	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**147**		mg/kg dry	0.610	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**82.8**		mg/kg dry	1.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**709**		mg/kg dry	6.10	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.05	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**674**		mg/kg dry	61.0	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.05	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.1**		mg/kg dry	1.22	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**46.7**		mg/kg dry	3.05	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP47_7.5 **York Sample ID:** 22B0178-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:30 pm	02/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.465**		mg/kg dry	0.0366	1	EPA 7473	02/08/2022 21:47	02/09/2022 13:46	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.610	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.2**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.610	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.0**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**	CCV-E	mg/kg dry	0.0048	0.0095	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	02/04/2022 06:07	02/04/2022 20:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.103**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.0999**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0639**	J	mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0625**	J	mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0683**	J	mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.106**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.133**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0474**	J	mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0467**	J	mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.106**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.165**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/04/2022 13:28	02/09/2022 16:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*88.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*78.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*73.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*86.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.5 %*	*24-116*

Sample Information

Client Sample ID: **EP59_7.5** **York Sample ID:** **22B0178-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/08/2022 14:30	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.483**		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL

Sample Information

Client Sample ID: **EP59_7.5** **York Sample ID:** **22B0178-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/04/2022 16:01	02/08/2022 18:17	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.2 %*	*25-150*
Surrogate: M5PFHxA	*88.3 %*	*25-150*
Surrogate: M4PFHpA	*82.2 %*	*25-150*
Surrogate: M3PFHxS	*90.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*103 %*	*25-150*
Surrogate: M6PFDA	*95.3 %*	*25-150*
Surrogate: M7PFUdA	*92.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.0 %*	*25-150*
Surrogate: M2PFTeDA	*58.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*78.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*96.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*77.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*107 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*101 %*	*25-150*
Surrogate: M2-6:2 FTS	*127 %*	*25-200*
Surrogate: M2-8:2 FTS	*96.7 %*	*25-200*
Surrogate: M9PFNA	*99.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 16:29	CM

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B	02/07/2022 08:21	02/09/2022 16:29	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.4 %*	*30-150*

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A	02/07/2022 08:21	02/07/2022 21:35	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0218	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0218	1	EPA 8151A	02/07/2022 15:00	02/08/2022 15:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*42.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3860**		mg/kg dry	5.53	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP59_7.5** **York Sample ID:** **22B0178-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.73**		mg/kg dry	1.66	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**54.5**		mg/kg dry	2.77	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**4790**	B	mg/kg dry	5.53	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**13.1**		mg/kg dry	0.553	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.16**		mg/kg dry	0.443	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**35.3**		mg/kg dry	2.21	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**7240**		mg/kg dry	27.7	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**76.6**		mg/kg dry	0.553	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2520**		mg/kg dry	5.53	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**70.9**		mg/kg dry	0.553	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**45.4**		mg/kg dry	1.11	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**489**		mg/kg dry	5.53	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**271**		mg/kg dry	55.3	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.4**		mg/kg dry	1.11	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**30.9**		mg/kg dry	2.77	1	EPA 6010D	02/07/2022 19:49	02/08/2022 15:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP59_7.5 **York Sample ID:** 22B0178-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Soil	February 3, 2022 2:15 pm	02/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.155**		mg/kg dry	0.0332	1	EPA 7473	02/08/2022 21:47	02/09/2022 13:55	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A	02/04/2022 08:47	02/04/2022 16:04	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.1**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:07	LRW
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C	02/04/2022 08:36	02/04/2022 14:42	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.4**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02032022** **York Sample ID:** **22B0178-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Water	February 3, 2022 4:00 pm	02/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL

Sample Information

Client Sample ID: FB01_PFAS_02032022 **York Sample ID:** 22B0178-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0178	170610601	Water	February 3, 2022 4:00 pm	02/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 18:13	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*105 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*107 %*	*25-150*
Surrogate: M3PFHxS	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.9 %*	*25-150*
Surrogate: M6PFDA	*108 %*	*25-150*
Surrogate: M7PFUdA	*96.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*86.3 %*	*25-150*
Surrogate: M2PFTeDA	*63.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*107 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*105 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*39.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*74.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*63.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*79.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*123 %*	*25-200*
Surrogate: M9PFNA	*122 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21398 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22
BB21398-BLK1	Blank	02/04/22
BB21398-DUP1	Duplicate	02/04/22
BB21398-MS1	Matrix Spike	02/04/22
BB21398-SRM1	Reference	02/04/22

Batch ID: BB21404 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22
BB21404-BLK1	Blank	02/04/22
BB21404-DUP1	Duplicate	02/04/22
BB21404-MS1	Matrix Spike	02/04/22
BB21404-SRM1	Reference	02/04/22

Batch ID: BB21417 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22
BB21417-DUP1	Duplicate	02/04/22

Batch ID: BB21428 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22

Batch ID: BB21443 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22
BB21443-BLK1	Blank	02/04/22
BB21443-BLK2	Blank	02/04/22
BB21443-BLK3	Blank	02/04/22

BB21443-BS1	LCS	02/04/22
BB21443-BSD1	LCS Dup	02/04/22

Batch ID: BB21444 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/04/22
22B0178-02	EP47_7.5	02/04/22
22B0178-03	EP59_7.5	02/04/22
BB21444-BLK1	Blank	02/04/22
BB21444-BS1	LCS	02/04/22
BB21444-MS1	Matrix Spike	02/04/22
BB21444-MSD1	Matrix Spike Dup	02/04/22

Batch ID: BB21456 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/07/22
22B0178-02	EP47_7.5	02/07/22
22B0178-03	EP59_7.5	02/07/22
BB21456-BLK1	Blank	02/07/22
BB21456-BS1	LCS	02/07/22
BB21456-MS1	Matrix Spike	02/07/22
BB21456-MSD1	Matrix Spike Dup	02/07/22

Batch ID: BB21457 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/05/22
22B0178-02	EP47_7.5	02/05/22
22B0178-03	EP59_7.5	02/05/22
BB21457-BLK1	Blank	02/05/22
BB21457-BS1	LCS	02/05/22

Batch ID: BB21469 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/07/22
22B0178-01	EP27_7.5	02/07/22
22B0178-02	EP47_7.5	02/07/22
22B0178-02	EP47_7.5	02/07/22
22B0178-03	EP59_7.5	02/07/22
22B0178-03	EP59_7.5	02/07/22
BB21469-BLK1	Blank	02/07/22
BB21469-BLK2	Blank	02/07/22
BB21469-BS1	LCS	02/07/22
BB21469-BS2	LCS	02/07/22
BB21469-MS2	Matrix Spike	02/07/22
BB21469-MSD2	Matrix Spike Dup	02/07/22

Batch ID: BB21486 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-04	FB01_PFAS_02032022	02/07/22
BB21486-BLK1	Blank	02/07/22
BB21486-BS1	LCS	02/07/22
BB21486-BSD1	LCS Dup	02/07/22

Batch ID: BB21541 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/07/22
22B0178-02	EP47_7.5	02/07/22
22B0178-03	EP59_7.5	02/07/22
BB21541-BLK1	Blank	02/07/22
BB21541-DUP1	Duplicate	02/07/22
BB21541-MS1	Matrix Spike	02/07/22
BB21541-PS1	Post Spike	02/07/22
BB21541-SRM1	Reference	02/07/22

Batch ID: BB21547 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/07/22
BB21547-BLK1	Blank	02/07/22
BB21547-DUP1	Duplicate	02/07/22
BB21547-MS1	Matrix Spike	02/07/22
BB21547-SRM1	Reference	02/07/22

Batch ID: BB21623 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-02	EP47_7.5	02/08/22
22B0178-03	EP59_7.5	02/08/22
BB21623-BLK1	Blank	02/08/22
BB21623-DUP1	Duplicate	02/08/22
BB21623-MS1	Matrix Spike	02/08/22
BB21623-SRM1	Reference	02/08/22

Batch ID: BB21753 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0178-01	EP27_7.5	02/10/22
22B0178-02	EP47_7.5	02/10/22
22B0178-03	EP59_7.5	02/10/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21443-BLK2) Blank									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK2) Blank									Prepared & Analyzed: 02/04/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK3) HB-22B0177/22B0178									Prepared & Analyzed: 02/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK3) HB-22B0177/22B0178								Prepared & Analyzed: 02/04/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
LCS (BB21443-BS1) LCS								Prepared & Analyzed: 02/04/2022			
1,1,1,2-Tetrachloroethane	45.8		ug/L	50.0		91.6	75-129				
1,1,1-Trichloroethane	44.4		"	50.0		88.8	71-137				
1,1,2,2-Tetrachloroethane	45.5		"	50.0		91.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.1		"	50.0		86.2	58-146				
1,1,2-Trichloroethane	45.6		"	50.0		91.2	83-123				
1,1-Dichloroethane	41.8		"	50.0		83.6	75-130				
1,1-Dichloroethylene	43.8		"	50.0		87.7	64-137				
1,2,3-Trichlorobenzene	47.5		"	50.0		94.9	81-140				
1,2,3-Trichloropropane	46.0		"	50.0		92.0	81-126				
1,2,4-Trichlorobenzene	48.2		"	50.0		96.4	80-141				
1,2,4-Trimethylbenzene	45.6		"	50.0		91.1	84-125				
1,2-Dibromo-3-chloropropane	43.8		"	50.0		87.5	74-142				
1,2-Dibromoethane	46.9		"	50.0		93.8	86-123				
1,2-Dichlorobenzene	45.9		"	50.0		91.7	85-122				
1,2-Dichloroethane	45.1		"	50.0		90.2	71-133				
1,2-Dichloropropane	45.1		"	50.0		90.2	81-122				
1,3,5-Trimethylbenzene	45.1		"	50.0		90.3	82-126				
1,3-Dichlorobenzene	45.9		"	50.0		91.9	84-124				
1,4-Dichlorobenzene	46.3		"	50.0		92.6	84-124				
1,4-Dioxane	1060		"	1050		101	10-228				
2-Butanone	39.7		"	50.0		79.3	58-147				
2-Hexanone	41.9		"	50.0		83.9	70-139				
4-Methyl-2-pentanone	32.3		"	50.0		64.6	72-132	Low Bias			
Acetone	40.3		"	50.0		80.6	36-155				
Acrolein	26.5		"	50.0		53.0	10-238				
Acrylonitrile	41.3		"	50.0		82.7	66-141				
Benzene	46.8		"	50.0		93.6	77-127				
Bromochloromethane	42.9		"	50.0		85.7	74-129				
Bromodichloromethane	46.4		"	50.0		92.8	81-124				
Bromoform	51.5		"	50.0		103	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
LCS (BB21443-BS1) LCS							Prepared & Analyzed: 02/04/2022				
Bromomethane	47.5		ug/L	50.0		94.9	32-177				
Carbon disulfide	45.5		"	50.0		91.0	10-136				
Carbon tetrachloride	47.8		"	50.0		95.5	66-143				
Chlorobenzene	49.4		"	50.0		98.9	86-120				
Chloroethane	52.0		"	50.0		104	51-142				
Chloroform	42.9		"	50.0		85.8	76-131				
Chloromethane	40.1		"	50.0		80.2	49-132				
cis-1,2-Dichloroethylene	42.8		"	50.0		85.7	74-132				
cis-1,3-Dichloropropylene	46.3		"	50.0		92.6	81-129				
Cyclohexane	44.5		"	50.0		89.0	70-130				
Dibromochloromethane	48.4		"	50.0		96.8	10-200				
Dibromomethane	45.3		"	50.0		90.6	83-124				
Dichlorodifluoromethane	47.0		"	50.0		94.1	28-158				
Ethyl Benzene	46.0		"	50.0		92.0	84-125				
Hexachlorobutadiene	47.7		"	50.0		95.4	83-133				
Isopropylbenzene	47.3		"	50.0		94.6	81-127				
Methyl acetate	40.2		"	50.0		80.4	41-143				
Methyl tert-butyl ether (MTBE)	40.9		"	50.0		81.8	74-131				
Methylcyclohexane	45.9		"	50.0		91.8	70-130				
Methylene chloride	43.0		"	50.0		86.1	57-141				
n-Butylbenzene	45.3		"	50.0		90.6	80-130				
n-Propylbenzene	51.4		"	50.0		103	74-136				
o-Xylene	46.5		"	50.0		93.0	83-123				
p- & m- Xylenes	91.9		"	100		91.9	82-128				
p-Isopropyltoluene	47.1		"	50.0		94.2	85-125				
sec-Butylbenzene	45.8		"	50.0		91.6	83-125				
Styrene	44.6		"	50.0		89.2	86-126				
tert-Butyl alcohol (TBA)	214		"	250		85.7	70-130				
tert-Butylbenzene	40.3		"	50.0		80.6	80-127				
Tetrachloroethylene	45.9		"	50.0		91.8	80-129				
Toluene	45.1		"	50.0		90.1	85-121				
trans-1,2-Dichloroethylene	43.7		"	50.0		87.3	72-132				
trans-1,3-Dichloropropylene	44.8		"	50.0		89.5	78-132				
Trichloroethylene	47.7		"	50.0		95.4	84-123				
Trichlorofluoromethane	47.4		"	50.0		94.8	62-140				
Vinyl Chloride	43.5		"	50.0		87.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.1*		*"*	*50.0*		*96.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21443 - EPA 5035A

LCS Dup (BB21443-BSD1) LCS Dup — Prepared & Analyzed: 02/04/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	47.8		ug/L	50.0		95.5	75-129		4.17	30	
1,1,1-Trichloroethane	50.0		"	50.0		100	71-137		11.9	30	
1,1,2,2-Tetrachloroethane	46.3		"	50.0		92.6	79-129		1.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.9		"	50.0		106	58-146		20.5	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.1	83-123		3.15	30	
1,1-Dichloroethane	47.7		"	50.0		95.3	75-130		13.1	30	
1,1-Dichloroethylene	49.4		"	50.0		98.7	64-137		11.8	30	
1,2,3-Trichlorobenzene	47.9		"	50.0		95.9	81-140		0.985	30	
1,2,3-Trichloropropane	47.5		"	50.0		94.9	81-126		3.15	30	
1,2,4-Trichlorobenzene	48.5		"	50.0		97.0	80-141		0.641	30	
1,2,4-Trimethylbenzene	45.6		"	50.0		91.1	84-125		0.0439	30	
1,2-Dibromo-3-chloropropane	45.6		"	50.0		91.2	74-142		4.10	30	
1,2-Dibromoethane	48.0		"	50.0		96.0	86-123		2.36	30	
1,2-Dichlorobenzene	46.9		"	50.0		93.8	85-122		2.22	30	
1,2-Dichloroethane	47.9		"	50.0		95.7	71-133		5.92	30	
1,2-Dichloropropane	45.5		"	50.0		91.0	81-122		0.971	30	
1,3,5-Trimethylbenzene	44.9		"	50.0		89.8	82-126		0.555	30	
1,3-Dichlorobenzene	46.8		"	50.0		93.6	84-124		1.81	30	
1,4-Dichlorobenzene	46.7		"	50.0		93.4	84-124		0.903	30	
1,4-Dioxane	1090		"	1050		103	10-228		2.30	30	
2-Butanone	46.9		"	50.0		93.8	58-147		16.8	30	
2-Hexanone	43.0		"	50.0		86.0	70-139		2.52	30	
4-Methyl-2-pentanone	33.0		"	50.0		66.0	72-132	Low Bias	2.05	30	
Acetone	45.7		"	50.0		91.5	36-155		12.6	30	
Acrolein	27.8		"	50.0		55.6	10-238		4.71	30	
Acrylonitrile	47.4		"	50.0		94.9	66-141		13.7	30	
Benzene	49.0		"	50.0		98.0	77-127		4.59	30	
Bromochloromethane	47.7		"	50.0		95.4	74-129		10.7	30	
Bromodichloromethane	46.7		"	50.0		93.4	81-124		0.666	30	
Bromoform	53.4		"	50.0		107	80-136		3.62	30	
Bromomethane	49.1		"	50.0		98.3	32-177		3.46	30	
Carbon disulfide	54.5		"	50.0		109	10-136		18.0	30	
Carbon tetrachloride	51.8		"	50.0		104	66-143		8.06	30	
Chlorobenzene	48.9		"	50.0		97.8	86-120		1.10	30	
Chloroethane	53.4		"	50.0		107	51-142		2.71	30	
Chloroform	49.8		"	50.0		99.6	76-131		14.9	30	
Chloromethane	43.0		"	50.0		86.0	49-132		7.00	30	
cis-1,2-Dichloroethylene	47.0		"	50.0		93.9	74-132		9.15	30	
cis-1,3-Dichloropropylene	46.2		"	50.0		92.4	81-129		0.151	30	
Cyclohexane	46.8		"	50.0		93.7	70-130		5.15	30	
Dibromochloromethane	49.2		"	50.0		98.5	10-200		1.70	30	
Dibromomethane	46.0		"	50.0		91.9	83-124		1.45	30	
Dichlorodifluoromethane	46.7		"	50.0		93.5	28-158		0.619	30	
Ethyl Benzene	45.9		"	50.0		91.8	84-125		0.283	30	
Hexachlorobutadiene	47.3		"	50.0		94.6	83-133		0.905	30	
Isopropylbenzene	47.0		"	50.0		94.0	81-127		0.657	30	
Methyl acetate	44.5		"	50.0		89.0	41-143		10.1	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.8	74-131		14.7	30	
Methylcyclohexane	45.6		"	50.0		91.3	70-130		0.568	30	
Methylene chloride	47.6		"	50.0		95.1	57-141		10.0	30	
n-Butylbenzene	44.9		"	50.0		89.8	80-130		0.843	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
LCS Dup (BB21443-BSD1) LCS Dup								Prepared & Analyzed: 02/04/2022			
n-Propylbenzene	50.9		ug/L	50.0		102	74-136		0.900	30	
o-Xylene	46.2		"	50.0		92.3	83-123		0.691	30	
p- & m- Xylenes	91.0		"	100		91.0	82-128		1.01	30	
p-Isopropyltoluene	46.4		"	50.0		92.8	85-125		1.48	30	
sec-Butylbenzene	45.0		"	50.0		89.9	83-125		1.85	30	
Styrene	45.6		"	50.0		91.1	86-126		2.13	30	
tert-Butyl alcohol (TBA)	253		"	250		101	70-130		16.7	30	
tert-Butylbenzene	40.0		"	50.0		80.1	80-127		0.623	30	
Tetrachloroethylene	45.2		"	50.0		90.5	80-129		1.38	30	
Toluene	45.0		"	50.0		90.0	85-121		0.111	30	
trans-1,2-Dichloroethylene	47.7		"	50.0		95.4	72-132		8.86	30	
trans-1,3-Dichloropropylene	45.2		"	50.0		90.3	78-132		0.890	30	
Trichloroethylene	47.4		"	50.0		94.8	84-123		0.631	30	
Trichlorofluoromethane	46.8		"	50.0		93.5	62-140		1.36	30	
Vinyl Chloride	43.6		"	50.0		87.1	52-130		0.0459	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.1*	*76-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21457 - EPA 3550C											
Blank (BB21457-BLK1) Blank									Prepared: 02/05/2022 Analyzed: 02/08/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				
LCS (BB21457-BS1) LCS									Prepared: 02/05/2022 Analyzed: 02/08/2022		
1,4-Dioxane	589	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8	*208*		*"*	*495*		*42.0*	*39-127.5*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21444 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21444-BLK1) Blank									Prepared: 02/04/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.232	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.232	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.232	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"								
Perfluorooctanoic acid (PFOA)	ND	0.232	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.232	"								
Perfluorononanoic acid (PFNA)	ND	0.232	"								
Perfluorodecanoic acid (PFDA)	ND	0.232	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.232	"								
Perfluorododecanoic acid (PFDoA)	ND	0.232	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.232	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.232	"								
N-MeFOSAA	ND	0.232	"								
N-EtFOSAA	ND	0.232	"								
Perfluoropentanoic acid (PFPeA)	ND	0.232	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.232	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.232	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.232	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.232	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.232	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.232	"								
Surrogate: M3PFBS	*4.18*		"	*4.30*		*97.1*	*25-150*				
Surrogate: M5PFHxA	*4.91*		"	*4.63*		*106*	*25-150*				
Surrogate: M4PFHpA	*4.46*		"	*4.63*		*96.2*	*25-150*				
Surrogate: M3PFHxS	*4.40*		"	*4.38*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.45*		"	*4.63*		*96.2*	*25-150*				
Surrogate: M6PFDA	*4.43*		"	*4.63*		*95.6*	*25-150*				
Surrogate: M7PFUdA	*4.82*		"	*4.63*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.06*		"	*4.63*		*87.8*	*25-150*				
Surrogate: M2PFTeDA	*2.64*		"	*4.63*		*56.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.56*		"	*4.63*		*98.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.15*		"	*4.43*		*93.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.53*		"	*4.63*		*97.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.76*		"	*4.63*		*81.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.70*		"	*4.63*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.95*		"	*4.63*		*85.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.67*		"	*4.40*		*106*	*25-200*				
Surrogate: M2-8:2 FTS	*4.06*		"	*4.44*		*91.4*	*25-200*				
Surrogate: M9PFNA	*5.14*		"	*4.63*		*111*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21444 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21444-BS1) LCS								Prepared: 02/04/2022 Analyzed: 02/08/2022			
Perfluorobutanesulfonic acid (PFBS)	4.03	0.242	ug/kg wet	4.29		94.0	50-130				
Perfluorohexanoic acid (PFHxA)	4.38	0.242	"	4.85		90.4	50-130				
Perfluoroheptanoic acid (PFHpA)	4.59	0.242	"	4.85		94.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.29	0.242	"	4.41		97.3	50-130				
Perfluorooctanoic acid (PFOA)	3.84	0.242	"	4.85		79.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.47	0.242	"	4.48		122	50-130				
Perfluorononanoic acid (PFNA)	3.20	0.242	"	4.85		66.0	50-130				
Perfluorodecanoic acid (PFDA)	4.51	0.242	"	4.85		93.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.97	0.242	"	4.85		103	50-130				
Perfluorododecanoic acid (PFDoA)	4.37	0.242	"	4.85		90.2	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.79	0.242	"	4.85		78.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.69	0.242	"	4.85		96.7	50-130				
N-MeFOSAA	4.25	0.242	"	4.85		87.7	50-130				
N-EtFOSAA	5.96	0.242	"	4.85		123	50-130				
Perfluoropentanoic acid (PFPeA)	4.93	0.242	"	4.85		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.41	0.242	"	4.85		91.0	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.60	0.242	"	4.63		99.5	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.50	0.242	"	4.68		74.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	2.89	0.242	"	4.60		62.8	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.44	0.242	"	4.65		95.4	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.39	0.242	"	4.85		90.6	50-130				
Surrogate: M3PFBS	*4.04*		*"*	*4.50*		*89.7*	*25-150*				
Surrogate: M5PFHxA	*4.53*		*"*	*4.85*		*93.4*	*25-150*				
Surrogate: M4PFHpA	*4.21*		*"*	*4.85*		*86.8*	*25-150*				
Surrogate: M3PFHxS	*4.28*		*"*	*4.58*		*93.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.82*		*"*	*4.85*		*99.5*	*25-150*				
Surrogate: M6PFDA	*4.33*		*"*	*4.85*		*89.4*	*25-150*				
Surrogate: M7PFUdA	*3.86*		*"*	*4.85*		*79.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.67*		*"*	*4.85*		*75.7*	*25-150*				
Surrogate: M2PFTeDA	*2.43*		*"*	*4.85*		*50.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.60*		*"*	*4.85*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.96*		*"*	*4.64*		*85.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.14*		*"*	*4.85*		*85.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.15*		*"*	*4.85*		*65.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.30*		*"*	*4.85*		*88.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.23*		*"*	*4.85*		*66.6*	*25-150*				
Surrogate: M2-6:2 FTS	*5.00*		*"*	*4.60*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*4.32*		*"*	*4.64*		*93.1*	*25-200*				
Surrogate: M9PFNA	*5.33*		*"*	*4.85*		*110*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21444 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21444-MS1) Matrix Spike *Source sample: 22B0070-02 (Matrix Spike) Prepared: 02/04/2022 Analyzed: 02/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.90	0.268	ug/kg dry	4.75	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	4.88	0.268	"	5.37	ND	91.0	25-150				
Perfluoroheptanoic acid (PFHpA)	5.01	0.268	"	5.37	ND	93.4	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.70	0.268	"	4.88	ND	96.3	25-150				
Perfluorooctanoic acid (PFOA)	5.39	0.268	"	5.37	ND	100	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.50	0.268	"	4.96	ND	131	25-150				
Perfluorononanoic acid (PFNA)	4.68	0.268	"	5.37	ND	87.1	25-150				
Perfluorodecanoic acid (PFDA)	5.94	0.268	"	5.37	ND	111	25-150				
Perfluoroundecanoic acid (PFUnA)	5.33	0.268	"	5.37	ND	99.4	25-150				
Perfluorododecanoic acid (PFDoA)	5.26	0.268	"	5.37	ND	98.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.18	0.268	"	5.37	ND	96.6	25-150				
Perfluorotetradecanoic acid (PFTA)	5.16	0.268	"	5.37	ND	96.1	25-150				
N-MeFOSAA	5.88	0.268	"	5.37	ND	110	25-150				
N-EtFOSAA	6.42	0.268	"	5.37	ND	120	25-150				
Perfluoropentanoic acid (PFPeA)	5.45	0.268	"	5.37	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.11	0.268	"	5.37	ND	95.3	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.85	0.268	"	5.12	ND	114	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.19	0.268	"	5.18	ND	100	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.06	0.268	"	5.10	ND	119	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.90	0.268	"	5.15	ND	115	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.39	0.268	"	5.37	ND	100	25-150				
Surrogate: M3PFBS	*4.30*		"	*4.98*		*86.2*	*25-150*				
Surrogate: M5PFHxA	*4.67*		"	*5.37*		*87.0*	*25-150*				
Surrogate: M4PFHpA	*4.83*		"	*5.37*		*90.1*	*25-150*				
Surrogate: M3PFHxS	*4.55*		"	*5.08*		*89.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.36*		"	*5.37*		*81.3*	*25-150*				
Surrogate: M6PFDA	*3.87*		"	*5.37*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*4.01*		"	*5.37*		*74.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.97*		"	*5.37*		*74.0*	*25-150*				
Surrogate: M2PFTeDA	*3.72*		"	*5.37*		*69.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.66*		"	*5.37*		*86.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.76*		"	*5.13*		*73.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.75*		"	*5.37*		*88.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.29*		"	*5.37*		*61.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.49*		"	*5.37*		*65.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.72*		"	*5.37*		*69.2*	*25-150*				
Surrogate: M2-6:2 FTS	*3.67*		"	*5.09*		*72.0*	*25-200*				
Surrogate: M2-8:2 FTS	*4.31*		"	*5.14*		*83.8*	*25-200*				
Surrogate: M9PFNA	*4.80*		"	*5.37*		*89.4*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21444 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21444-M Matrix Spike Dup *Source sample: 22B0070-02 (Matrix Spike Dup) Prepared: 02/04/2022 Analyzed: 02/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.36	0.258	ug/kg dry	4.57	ND	95.4	25-150		11.6	35	
Perfluorohexanoic acid (PFHxA)	4.40	0.258	"	5.16	ND	85.2	25-150		10.5	35	
Perfluoroheptanoic acid (PFHpA)	5.10	0.258	"	5.16	ND	98.8	25-150		1.70	35	
Perfluorohexanesulfonic acid (PFHxS)	4.32	0.258	"	4.70	ND	92.0	25-150		8.41	35	
Perfluorooctanoic acid (PFOA)	4.98	0.258	"	5.16	ND	96.4	25-150		7.90	35	
Perfluorooctanesulfonic acid (PFOS)	5.54	0.258	"	4.77	ND	116	25-150		16.1	35	
Perfluorononanoic acid (PFNA)	4.28	0.258	"	5.16	ND	82.9	25-150		8.91	35	
Perfluorodecanoic acid (PFDA)	5.66	0.258	"	5.16	ND	110	25-150		4.80	35	
Perfluoroundecanoic acid (PFUnA)	5.14	0.258	"	5.16	ND	99.6	25-150		3.66	35	
Perfluorododecanoic acid (PFDoA)	4.90	0.258	"	5.16	ND	95.0	25-150		7.01	35	
Perfluorotridecanoic acid (PFTrDA)	5.32	0.258	"	5.16	ND	103	25-150		2.71	35	
Perfluorotetradecanoic acid (PFTA)	4.96	0.258	"	5.16	ND	96.1	25-150		3.88	35	
N-MeFOSAA	4.69	0.258	"	5.16	ND	90.9	25-150		22.4	35	
N-EtFOSAA	5.11	0.258	"	5.16	ND	99.0	25-150		22.8	35	
Perfluoropentanoic acid (PFPeA)	4.87	0.258	"	5.16	ND	94.4	25-150		11.2	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.59	0.258	"	5.16	ND	88.9	25-150		10.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.79	0.258	"	4.93	ND	117	25-150		1.17	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.13	0.258	"	4.98	ND	83.0	25-150		22.7	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.51	0.258	"	4.90	ND	92.0	25-200		29.3	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.42	0.258	"	4.95	ND	150	25-200		22.7	35	
Perfluoro-n-butanoic acid (PFBA)	4.94	0.258	"	5.16	ND	95.6	25-150		8.75	35	
Surrogate: M3PFBS	*4.07*		"	*4.79*		*84.8*	*25-150*				
Surrogate: M5PFHxA	*4.57*		"	*5.16*		*88.6*	*25-150*				
Surrogate: M4PFHpA	*4.25*		"	*5.16*		*82.4*	*25-150*				
Surrogate: M3PFHxS	*4.38*		"	*4.88*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.22*		"	*5.16*		*81.8*	*25-150*				
Surrogate: M6PFDA	*3.14*		"	*5.16*		*60.9*	*25-150*				
Surrogate: M7PFUdA	*3.64*		"	*5.16*		*70.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.38*		"	*5.16*		*65.6*	*25-150*				
Surrogate: M2PFTeDA	*3.27*		"	*5.16*		*63.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.50*		"	*5.16*		*87.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.58*		"	*4.94*		*72.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.58*		"	*5.16*		*88.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.04*		"	*5.16*		*58.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.68*		"	*5.16*		*71.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.79*		"	*5.16*		*73.5*	*25-150*				
Surrogate: M2-6:2 FTS	*3.68*		"	*4.90*		*75.1*	*25-200*				
Surrogate: M2-8:2 FTS	*2.36*		"	*4.94*		*47.8*	*25-200*				
Surrogate: M9PFNA	*4.48*		"	*5.16*		*86.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21486-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.2*		*"*	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*75.9*		*"*	*80.0*		*94.9*	*25-150*				
Surrogate: M4PFHpA	*78.3*		*"*	*80.0*		*97.8*	*25-150*				
Surrogate: M3PFHxS	*70.6*		*"*	*75.7*		*93.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*75.6*		*"*	*80.0*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*71.8*		*"*	*80.0*		*89.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.7*		*"*	*80.0*		*72.2*	*25-150*				
Surrogate: M2PFTeDA	*46.4*		*"*	*80.0*		*58.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.4*		*"*	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.8*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.0*		*"*	*80.0*		*18.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.7*		*"*	*80.0*		*74.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*50.6*		*"*	*80.0*		*63.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.9*		*"*	*75.9*		*85.5*	*25-200*				
Surrogate: M2-8:2 FTS	*65.5*		*"*	*76.6*		*85.4*	*25-200*				
Surrogate: M9PFNA	*90.5*		*"*	*80.0*		*113*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21486-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	70.4	2.00	ng/L	70.8		99.4	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	77.6	2.00	"	80.0		97.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.8	2.00	"	72.8		91.8	50-130				
Perfluorooctanoic acid (PFOA)	71.5	2.00	"	80.0		89.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	85.0	2.00	"	74.0		115	50-130				
Perfluorononanoic acid (PFNA)	64.3	2.00	"	80.0		80.4	50-130				
Perfluorodecanoic acid (PFDA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoroundecanoic acid (PFUnA)	85.6	2.00	"	80.0		107	50-130				
Perfluorododecanoic acid (PFDoA)	78.7	2.00	"	80.0		98.4	50-130				
Perfluorotridecanoic acid (PFTrDA)	73.9	2.00	"	80.0		92.4	50-130				
Perfluorotetradecanoic acid (PFTA)	83.5	2.00	"	80.0		104	50-130				
N-MeFOSAA	81.6	2.00	"	80.0		102	50-130				
N-EtFOSAA	90.1	2.00	"	80.0		113	50-130				
Perfluoropentanoic acid (PFPeA)	77.4	2.00	"	80.0		96.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.5	2.00	"	80.0		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.1	2.00	"	76.4		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	54.9	2.00	"	77.2		71.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.0	5.00	"	76.0		73.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.7	2.00	"	76.8		94.6	50-175				
Perfluoro-n-butanoic acid (PFBA)	76.7	2.00	"	80.0		95.9	50-130				
Surrogate: M3PFBS	*65.5*		*"*	*74.3*		*88.2*	*25-150*				
Surrogate: M5PFHxA	*74.1*		*"*	*80.0*		*92.7*	*25-150*				
Surrogate: M4PFHpA	*72.3*		*"*	*80.0*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.9*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*80.2*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M7PFUdA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.0*		*"*	*80.0*		*78.8*	*25-150*				
Surrogate: M2PFTeDA	*48.2*		*"*	*80.0*		*60.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		*"*	*80.0*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.9*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.2*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.0*		*"*	*80.0*		*25.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.4*		*"*	*80.0*		*78.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.6*		*"*	*80.0*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*92.8*		*"*	*75.9*		*122*	*25-200*				
Surrogate: M2-8:2 FTS	*93.1*		*"*	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*91.9*		*"*	*80.0*		*115*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21486-BSD1) LCS Dup							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	68.9	2.00	ng/L	70.8		97.3	50-130		2.21	30	
Perfluorohexanoic acid (PFHxA)	71.4	2.00	"	80.0		89.2	50-130		4.68	30	
Perfluoroheptanoic acid (PFHpA)	73.9	2.00	"	80.0		92.4	50-130		4.90	30	
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.00	"	72.8		93.8	50-130		2.15	30	
Perfluorooctanoic acid (PFOA)	69.1	2.00	"	80.0		86.4	50-130		3.36	30	
Perfluorooctanesulfonic acid (PFOS)	71.1	2.00	"	74.0		96.1	50-130		17.7	30	
Perfluorononanoic acid (PFNA)	62.9	2.00	"	80.0		78.7	50-130		2.16	30	
Perfluorodecanoic acid (PFDA)	72.9	2.00	"	80.0		91.2	50-130		2.02	30	
Perfluoroundecanoic acid (PFUnA)	71.4	2.00	"	80.0		89.3	50-130		18.0	30	
Perfluorododecanoic acid (PFDoA)	70.8	2.00	"	80.0		88.5	50-130		10.6	30	
Perfluorotridecanoic acid (PFTrDA)	70.3	2.00	"	80.0		87.9	50-130		4.99	30	
Perfluorotetradecanoic acid (PFTA)	73.2	2.00	"	80.0		91.5	50-130		13.1	30	
N-MeFOSAA	72.1	2.00	"	80.0		90.2	50-130		12.3	30	
N-EtFOSAA	90.7	2.00	"	80.0		113	50-130		0.753	30	
Perfluoropentanoic acid (PFPeA)	76.3	2.00	"	80.0		95.3	50-130		1.49	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.5	2.00	"	80.0		98.2	50-130		2.66	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.5	2.00	"	76.4		108	50-130		0.771	30	
Perfluoro-1-decanesulfonic acid (PFDS)	52.4	2.00	"	77.2		67.8	50-130		4.68	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	58.1	5.00	"	76.0		76.5	50-175		3.77	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	89.8	2.00	"	76.8		117	50-175		21.0	30	
Perfluoro-n-butanoic acid (PFBA)	74.1	2.00	"	80.0		92.6	50-130		3.53	30	
Surrogate: M3PFBS	*72.4*		"	*74.3*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*80.5*		"	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*81.3*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*73.1*		"	*75.7*		*96.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.2*		"	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*73.1*		"	*80.0*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*67.3*		"	*80.0*		*84.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.6*		"	*80.0*		*79.5*	*25-150*				
Surrogate: M2PFTeDA	*49.8*		"	*80.0*		*62.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.6*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.5*		"	*76.6*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2*		"	*80.0*		*99.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.9*		"	*80.0*		*19.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*55.8*		"	*80.0*		*69.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.8*		"	*80.0*		*59.8*	*25-150*				
Surrogate: M2-6:2 FTS	*82.3*		"	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*74.3*		"	*76.6*		*97.0*	*25-200*				
Surrogate: M9PFNA	*89.7*		"	*80.0*		*112*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21469 - EPA 3550C											
Blank (BB21469-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0400*		*"*	*0.0664*		*60.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0393*		*"*	*0.0664*		*59.1*	*30-150*				
LCS (BB21469-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	0.0256	0.00164	mg/kg wet	0.0332		77.2	40-140				
4,4'-DDE	0.0240	0.00164	"	0.0332		72.4	40-140				
4,4'-DDT	0.0171	0.00164	"	0.0332		51.3	40-140				
Aldrin	0.0247	0.00164	"	0.0332		74.5	40-140				
alpha-BHC	0.0262	0.00164	"	0.0332		78.8	40-140				
alpha-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
beta-BHC	0.0252	0.00164	"	0.0332		75.8	40-140				
delta-BHC	0.0246	0.00164	"	0.0332		73.9	40-140				
Dieldrin	0.0246	0.00164	"	0.0332		74.2	40-140				
Endosulfan I	0.0252	0.00164	"	0.0332		75.8	40-140				
Endosulfan II	0.0234	0.00164	"	0.0332		70.6	40-140				
Endosulfan sulfate	0.0206	0.00164	"	0.0332		61.9	40-140				
Endrin	0.0247	0.00164	"	0.0332		74.3	40-140				
Endrin aldehyde	0.0286	0.00164	"	0.0332		86.1	40-140				
Endrin ketone	0.0275	0.00164	"	0.0332		82.9	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		80.9	40-140				
gamma-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
Heptachlor	0.0241	0.00164	"	0.0332		72.7	40-140				
Heptachlor epoxide	0.0256	0.00164	"	0.0332		77.0	40-140				
Methoxychlor	0.0227	0.00164	"	0.0332		68.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0438*		*"*	*0.0664*		*65.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0419*		*"*	*0.0664*		*63.1*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21469 - EPA 3550C											
Blank (BB21469-BLK2) Blank								Prepared & Analyzed: 02/07/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0618*		"	*0.0664*		*93.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0641*		"	*0.0664*		*96.5*	*30-150*				
LCS (BB21469-BS2) LCS								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.255	0.0166	mg/kg wet	0.332		76.9	40-140			30	
Aroclor 1260	0.266	0.0166	"	0.332		80.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0575*		"	*0.0664*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0571*		"	*0.0664*		*86.0*	*30-150*				
Matrix Spike (BB21469-MS2) Matrix Spike *Source sample: 22B0221-01 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.404	0.0209	mg/kg dry	0.418	ND	96.6	40-140			30	
Aroclor 1260	0.440	0.0209	"	0.418	ND	105	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0707*		"	*0.0837*		*84.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0765*		"	*0.0837*		*91.5*	*30-150*				
Matrix Spike Dup (BB21469-M Matrix Spike Dup *Source sample: 22B0221-01 (Matrix Spike Dup)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.399	0.0209	mg/kg dry	0.418	ND	95.4	40-140		1.23	30	
Aroclor 1260	0.429	0.0209	"	0.418	ND	103	40-140		2.46	30	
Surrogate: Tetrachloro-m-xylene	*0.0707*		"	*0.0837*		*84.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0749*		"	*0.0837*		*89.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21456 - EPA 3550C/8151A											
Blank (BB21456-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.194*		*"*	*0.415*		*46.8*	*21-150*				
LCS (BB21456-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0648	0.0199	mg/kg wet	0.133		48.7	10-120				
2,4,5-TP (Silvex)	0.0748	0.0199	"	0.133		56.2	10-120				
2,4-D	0.0739	0.0199	"	0.133		55.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.305*		*"*	*0.415*		*73.4*	*21-150*				
Matrix Spike (BB21456-MS1) Matrix Spike *Source sample: 22B0106-09 (Matrix Spike)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0603	0.0234	mg/kg dry	0.156	ND	38.8	10-120				
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120				
2,4-D	0.0710	0.0234	"	0.156	ND	45.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.288*		*"*	*0.487*		*59.2*	*21-150*				
Matrix Spike Dup (BB21456-M Matrix Spike Dup *Source sample: 22B0106-09 (Matrix Spike Dup)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0613	0.0234	mg/kg dry	0.156	ND	39.4	10-120		1.60	35	
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120		0.00	35	
2,4-D	0.0691	0.0234	"	0.156	ND	44.4	10-118		2.78	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.243*		*"*	*0.487*		*50.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21541 - EPA 3050B											
Blank (BB21541-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.27	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21541-DUP1) Duplicate	*Source sample: 22B0266-03 (Duplicate)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	13600	6.32	mg/kg dry		12300				9.78	35	
Antimony	ND	3.16	"		ND					35	
Arsenic	ND	1.89	"		ND					35	
Barium	62.3	3.16	"		62.5				0.352	35	
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.379	"		ND					35	
Calcium	8980	6.32	"		4870				59.4	35	Non-dir.
Chromium	17.1	0.632	"		16.8				1.61	35	
Cobalt	10.2	0.505	"		13.3				26.1	35	
Copper	36.0	2.53	"		22.3				47.1	35	Non-dir.
Iron	20200	31.6	"		19100				5.61	35	
Lead	58.0	0.632	"		33.1				54.7	35	Non-dir.
Magnesium	6270	6.32	"		3560				55.2	35	Non-dir.
Manganese	482	0.632	"		596				21.3	35	
Nickel	19.8	1.26	"		17.0				15.4	35	
Potassium	1320	6.32	"		1160				12.5	35	
Selenium	ND	3.16	"		ND					35	
Silver	ND	0.632	"		ND					35	
Sodium	749	63.2	"		684				9.08	35	
Thallium	ND	3.16	"		ND					35	
Vanadium	41.1	1.26	"		35.0				15.9	35	
Zinc	113	3.16	"		82.4				31.2	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21541 - EPA 3050B											
Matrix Spike (BB21541-MS1) Matrix Spike	*Source sample: 22B0266-03 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	16800	6.32	mg/kg dry	253	12300	NR	75-125	High Bias			
Antimony	11.8	3.16	"	31.6	ND	37.3	75-125	Low Bias			
Arsenic	277	1.89	"	253	ND	110	75-125				
Barium	365	3.16	"	253	62.5	120	75-125				
Beryllium	6.41	0.063	"	6.32	ND	101	75-125				
Cadmium	7.34	0.379	"	6.32	ND	116	75-125				
Calcium	6280	6.32	"	126	4870	NR	75-125	High Bias			
Chromium	47.6	0.632	"	25.3	16.8	122	75-125				
Cobalt	86.8	0.505	"	63.2	13.3	116	75-125				
Copper	69.2	2.53	"	31.6	22.3	149	75-125	High Bias			
Iron	23400	31.6	"	126	19100	NR	75-125	High Bias			
Lead	112	0.632	"	63.2	33.1	125	75-125				
Magnesium	4670	6.32	"	126	3560	884	75-125	High Bias			
Manganese	481	0.632	"	63.2	596	NR	75-125	Low Bias			
Nickel	99.4	1.26	"	63.2	17.0	131	75-125	High Bias			
Potassium	1650	6.32	"	126	1160	390	75-125	High Bias			
Selenium	205	3.16	"	253	ND	81.1	75-125				
Silver	6.07	0.632	"	6.32	ND	96.1	75-125				
Sodium	1000	63.2	"	126	684	251	75-125	High Bias			
Thallium	261	3.16	"	253	ND	103	75-125				
Vanadium	121	1.26	"	63.2	35.0	136	75-125	High Bias			
Zinc	173	3.16	"	63.2	82.4	143	75-125	High Bias			
Post Spike (BB21541-PS1) Post Spike	*Source sample: 22B0266-03 (Post Spike)								Prepared: 02/07/2022 Analyzed: 02/09/2022		
Aluminum	112		ug/mL	2.00	97.3	729	75-125	High Bias			
Antimony	0.313		"	0.250	0.017	118	75-125				
Arsenic	2.18		"	2.00	0.008	109	75-125				
Barium	2.83		"	2.00	0.495	117	75-125				
Beryllium	0.048		"	0.0500	-0.005	96.0	75-125				
Cadmium	0.058		"	0.0500	0.002	112	75-125				
Calcium	71.2		"	1.00	38.5	NR	75-125	High Bias			
Chromium	0.359		"	0.200	0.133	113	75-125				
Cobalt	0.659		"	0.500	0.105	111	75-125				
Copper	0.574		"	0.250	0.177	159	75-125	High Bias			
Iron	164		"	1.00	151	NR	75-125	High Bias			
Lead	1.04		"	0.500	0.262	156	75-125	High Bias			
Magnesium	51.6		"	1.00	28.2	NR	75-125	High Bias			
Manganese	4.39		"	0.500	4.72	NR	75-125	Low Bias			
Nickel	0.749		"	0.500	0.134	123	75-125				
Potassium	12.7		"	1.00	9.19	350	75-125	High Bias			
Selenium	1.71		"	2.00	-0.222	85.5	75-125				
Silver	0.048		"	0.0500	-0.002	95.5	75-125				
Sodium	7.32		"	1.00	5.41	191	75-125	High Bias			
Thallium	2.05		"	2.00	-0.022	103	75-125				
Vanadium	0.885		"	0.500	0.277	122	75-125				
Zinc	1.46		"	0.500	0.652	162	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21541 - EPA 3050B											
Reference (BB21541-SRM1) Reference								Prepared: 02/07/2022 Analyzed: 02/09/2022			
Aluminum	10400	5.00	mg/kg wet	8130		127	49.9-150.1				
Antimony	73.7	2.50	"	134		55.0	19.3-250				
Arsenic	188	1.50	"	156		120	69.9-130.1				
Barium	321	2.50	"	239		134	74.9-124.7	High Bias			
Beryllium	222	0.050	"	169		131	75.1-125.4	High Bias			
Cadmium	178	0.300	"	137		130	75.2-124.8	High Bias			
Calcium	5850	5.00	"	4760		123	72.7-127.5				
Chromium	190	0.500	"	154		123	70.1-129.9				
Cobalt	159	0.400	"	121		131	75-124.8	High Bias			
Copper	68.5	2.00	"	54.9		125	74.9-125				
Iron	16300	25.0	"	14100		116	34.9-164.5				
Lead	156	0.500	"	130		120	71.8-128.5				
Magnesium	2820	5.00	"	2320		122	62.1-137.9				
Manganese	333	0.500	"	269		124	74-126.4				
Nickel	84.4	1.00	"	53.9		157	69.9-129.9	High Bias			
Potassium	2420	5.00	"	2020		120	58.9-141.1				
Selenium	147	2.50	"	167		88.1	67.7-132.3				
Silver	38.2	0.500	"	33.6		114	68.5-131.3				
Sodium	164	50.0	"	133		123	35-165.4				
Thallium	131	2.50	"	112		117	67.9-131.3				
Vanadium	73.0	1.00	"	62.6		117	59.1-141.1				
Zinc	188	2.50	"	158		119	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21547 - EPA 7473 soil											
Blank (BB21547-BLK1) Blank								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21547-DUP1) Duplicate	*Source sample: 22B0118-01 (Duplicate)							Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury	0.323	0.0376	mg/kg dry		0.311				3.83	35	
Matrix Spike (BB21547-MS1) Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury	0.760		mg/kg	0.500	0.249	102	75-125				
Reference (BB21547-SRM1) Reference								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Mercury	24.111		mg/kg	27.2		88.6	59.9-140.1				
Batch BB21623 - EPA 7473 soil											
Blank (BB21623-BLK1) Blank								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21623-DUP1) Duplicate	*Source sample: 22B0132-01 (Duplicate)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	1.64	0.0343	mg/kg dry		2.96				57.3	35	Non-dir.
Matrix Spike (BB21623-MS1) Matrix Spike	*Source sample: 22B0132-01 (Matrix Spike)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	1.66		mg/kg	0.500	2.59	NR	75-125	Low Bias			
Reference (BB21623-SRM1) Reference								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Mercury	26.751		mg/kg	27.2		98.3	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21398 - Analysis Preparation Soil												
Blank (BB21398-BLK1)	Blank								Prepared & Analyzed: 02/04/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21398-DUP1)	Duplicate	*Source sample: 22B0118-01 (Duplicate)							Prepared & Analyzed: 02/04/2022			
Cyanide, total		ND	0.626	mg/kg dry		ND					15	
Matrix Spike (BB21398-MS1)	Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared & Analyzed: 02/04/2022			
Cyanide, total		13.5	0.626	mg/kg dry	12.5	ND	108	79.6-107	High Bias			
Reference (BB21398-SRM1)	Reference								Prepared & Analyzed: 02/04/2022			
Cyanide, total		98.7		ug/mL	86.8		114	41.82-157.83				
Batch BB21404 - EPA SW846-3060												
Blank (BB21404-BLK1)	Blank								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21404-DUP1)	Duplicate	*Source sample: 22B0118-01 (Duplicate)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.626	mg/kg dry		ND					35	
Matrix Spike (BB21404-MS1)	Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		ND	0.626	mg/kg dry	25.0	ND		75-125	Low Bias			
Reference (BB21404-SRM1)	Reference								Prepared & Analyzed: 02/04/2022			
Chromium, Hexavalent		48.8		mg/L	109		44.8	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21417 - % Solids Prep											
Duplicate (BB21417-DUP1) Duplicate	*Source sample: 22B0180-03 (Duplicate)							Prepared & Analyzed: 02/04/2022			
% Solids	78.0	0.100	%		75.2				3.61	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0178-01	EP27_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0178-02	EP47_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0178-03	EP59_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 220178

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company:
Address: 360 West 31st Street 8th Floor, New York, NY	Address: 300 West 31st Street 8th Floor, New York, NY	Address:
Phone: 212-479-5400	Phone: 212-479-5400	Phone:
Contact: Kim Seman	Contact: Kim Seman	Contact:
E-mail: Kseman@langan.com	E-mail: Kseman@langan.com	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP27_7.5	S	02/03/2022 13:00	Full Part 375 VOC and SVOCs, PCBs, Pesticides, metals (including hexavalent chromium, boron, lead, cyanide)*	
EP47_7.5	↓	14:30	* Run for all samples	
EP59_7.5	↓	14:15	PFAS	
FB01_PFAS_02032022	other/AQ	16:00		

Comments: Please include lesmail@langan.com and maronia@langan.com on all correspondences.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Jess Eal/Langan	02/03/2022 16:38	Andrew S Tark	2/3/22 16:37	Andrew S. Tark	2/3/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
[illegible]	2/3/22 17:39	[illegible]	2/3/22 2018		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlucher	2/3/22 2018 / 2.6 Degrees C

Technical Report

prepared for:

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

Report Date: 02/11/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0233

Report Date: 02/11/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0233

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 04, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0233-01	EP25_7.5	Soil	02/04/2022	02/04/2022
22B0233-02	EP06_7.5	Soil	02/04/2022	02/04/2022
22B0233-03	EP04_7.5	Soil	02/04/2022	02/04/2022
22B0233-04	FB01_PFAS_02042022	Water	02/04/2022	02/04/2022

General Notes for York Project (SDG) No.: 22B0233

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

Approved By **Date:** 02/11/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0053**	J	mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.028**		mg/kg dry	0.0062	0.012	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.0093**		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:17	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*112 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*124 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.100**	J	mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.246	0.493	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.126**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.246	0.493	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.544**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.714**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.593**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.423**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.515**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.567**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.141**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.123	0.246	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.12**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.468**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.440**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.916**		mg/kg dry	0.0616	0.123	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.246	0.493	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*92.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*83.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*86.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*107 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.0 %*	*24-116*

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/10/2022 22:50	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.638**		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL

Sample Information

Client Sample ID: **EP25_7.5** **York Sample ID:** **22B0233-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**1.25**		ug/kg dry	0.345	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:30	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*80.3 %*		*25-150*
Surrogate: M5PFHxA	*92.5 %*		*25-150*
Surrogate: M4PFHpA	*64.0 %*		*25-150*
Surrogate: M3PFHxS	*97.5 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*104 %*		*25-150*
Surrogate: M6PFDA	*91.9 %*		*25-150*
Surrogate: M7PFUdA	*78.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*67.2 %*		*25-150*
Surrogate: M2PFTeDA	*51.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*93.6 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*105 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*109 %*		*25-150*
Surrogate: M2-6:2 FTS	*206 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*196 %*		*25-200*
Surrogate: M9PFNA	*114 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00246	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 09:44	CM
72-55-9	**4,4'-DDE**	**0.00695**		mg/kg dry	0.00246	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 09:44	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00246	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 09:44	CM

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.246	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0491	5	EPA 8081B	02/07/2022 08:21	02/09/2022 09:44	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.3 %*	*30-150*

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0248	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:29	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0295	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0295	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0295	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*31.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8470**		mg/kg dry	7.55	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**7.30**		mg/kg dry	3.77	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP25_7.5** **York Sample ID:** **22B0233-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**9.78**		mg/kg dry	2.26	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**108**		mg/kg dry	3.77	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.075	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.49**		mg/kg dry	0.453	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**23700**	B	mg/kg dry	7.55	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**40.1**		mg/kg dry	0.755	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**17.1**		mg/kg dry	0.604	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**76.0**		mg/kg dry	3.02	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**24000**	B	mg/kg dry	37.7	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**296**		mg/kg dry	0.755	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**14100**		mg/kg dry	7.55	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**233**		mg/kg dry	0.755	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**220**		mg/kg dry	1.51	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**890**		mg/kg dry	7.55	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.77	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.755	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**502**		mg/kg dry	75.5	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.77	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.9**		mg/kg dry	1.51	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**529**		mg/kg dry	3.77	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP25_7.5 **York Sample ID:** 22B0233-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 12:00 pm	02/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.796**		mg/kg dry	0.0453	1	EPA 7473	02/07/2022 21:42	02/08/2022 14:46	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.755	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**40.1**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.755	1	EPA 9014/9010C	02/07/2022 09:08	02/07/2022 15:43	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**66.3**		%	0.100	1	SM 2540G	02/07/2022 10:16	02/07/2022 14:10	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP06_7.5** **York Sample ID:** **22B0233-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0048**	J	mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.033**		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.013**		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	02/07/2022 06:48	02/07/2022 22:42	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*111 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*120 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.209	0.419	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0551**	J	mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.209	0.419	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.211**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.246**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.204**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.117**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.174**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.106**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.193**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.400**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.140**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.176**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.286**		mg/kg dry	0.0524	0.105	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.209	0.419	2	EPA 8270D	02/05/2022 07:01	02/08/2022 18:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*86.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*77.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*83.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*109 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*79.5 %*	*24-116*

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/10/2022 23:40	KH

Surrogate Recoveries	Result	Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*54.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.392**		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:43	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.4 %*	*25-150*
Surrogate: M5PFHxA	*85.0 %*	*25-150*
Surrogate: M4PFHpA	*72.7 %*	*25-150*
Surrogate: M3PFHxS	*97.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.4 %*	*25-150*
Surrogate: M6PFDA	*83.0 %*	*25-150*
Surrogate: M7PFUdA	*73.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.1 %*	*25-150*
Surrogate: M2PFTeDA	*61.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*73.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*80.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*101 %*	*25-200*
Surrogate: M9PFNA	*105 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:01	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:01	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:01	CM

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.208	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0416	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:01	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.4 %*	*30-150*

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0210	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:43	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0253	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*51.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13700**		mg/kg dry	6.37	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.26**		mg/kg dry	3.19	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.18**		mg/kg dry	1.91	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**66.9**		mg/kg dry	3.19	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.382	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**4060**	B	mg/kg dry	6.37	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**52.7**		mg/kg dry	0.637	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**18.2**		mg/kg dry	0.510	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**24.9**		mg/kg dry	2.55	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**22100**	B	mg/kg dry	31.9	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**39.3**		mg/kg dry	0.637	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7210**		mg/kg dry	6.37	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**163**		mg/kg dry	0.637	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**199**		mg/kg dry	1.27	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1090**		mg/kg dry	6.37	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.19	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.637	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**365**		mg/kg dry	63.7	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.19	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.3**		mg/kg dry	1.27	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**50.8**		mg/kg dry	3.19	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP06_7.5 **York Sample ID:** 22B0233-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:15 pm	02/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.132**		mg/kg dry	0.0382	1	EPA 7473	02/07/2022 21:42	02/08/2022 14:59	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.637	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**52.7**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.637	1	EPA 9014/9010C	02/07/2022 09:08	02/07/2022 15:43	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.5**		%	0.100	1	SM 2540G	02/07/2022 10:16	02/07/2022 14:10	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	**Chloroform**	**0.0052**	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.0041**	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.025**		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.012**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/07/2022 06:44	02/07/2022 23:07	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*		*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*115 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*131 %*	S-03	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.178**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.208	0.415	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.107**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.208	0.415	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.216**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.418**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.301**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.287**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.249**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.240**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0886**	J	mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.104	0.207	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.339**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.266**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.123**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.291**		mg/kg dry	0.0519	0.104	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.208	0.415	2	EPA 8270D	02/05/2022 07:01	02/08/2022 19:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*89.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*84.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*91.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*81.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*106 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.8 %*	*24-116*

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/05/2022 08:05	02/11/2022 00:31	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.345**		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.01**		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/07/2022 11:34	02/08/2022 19:55	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.5 %*	*25-150*
Surrogate: M5PFHxA	*78.6 %*	*25-150*
Surrogate: M4PFHpA	*66.7 %*	*25-150*
Surrogate: M3PFHxS	*83.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.8 %*	*25-150*
Surrogate: M6PFDA	*78.8 %*	*25-150*
Surrogate: M7PFUdA	*70.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.9 %*	*25-150*
Surrogate: M2PFTeDA	*55.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*72.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*76.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*155 %*	*25-200*
Surrogate: M2-8:2 FTS	*122 %*	*25-200*
Surrogate: M9PFNA	*95.5 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:18	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:18	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2022 08:21	02/09/2022 10:18	CM

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**0.00705**		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	**gamma-Chlordane**	**0.00920**		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.202	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	*** Chlordane, total**	**0.0824**		mg/kg dry	0.0405	5	EPA 8081B	02/07/2022 08:21	02/09/2022 10:18	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.8 %*	*30-150*

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	1	EPA 8082A	02/07/2022 08:21	02/07/2022 22:56	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0247	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0247	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0247	1	EPA 8151A	02/07/2022 15:00	02/08/2022 16:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*39.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11400**		mg/kg dry	6.23	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.12	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.73**		mg/kg dry	1.87	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**60.5**		mg/kg dry	3.12	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.374	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11700**	B	mg/kg dry	6.23	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**48.7**		mg/kg dry	0.623	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**18.7**		mg/kg dry	0.499	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**37.4**		mg/kg dry	2.49	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**23800**	B	mg/kg dry	31.2	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**74.8**		mg/kg dry	0.623	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6940**		mg/kg dry	6.23	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**288**		mg/kg dry	0.623	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**230**		mg/kg dry	1.25	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1330**		mg/kg dry	6.23	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.12	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.623	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**223**		mg/kg dry	62.3	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.12	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**50.4**		mg/kg dry	1.25	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**102**		mg/kg dry	3.12	1	EPA 6010D	02/07/2022 16:23	02/08/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP04_7.5 **York Sample ID:** 22B0233-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Soil	February 4, 2022 2:30 pm	02/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.23**		mg/kg dry	0.0374	1	EPA 7473	02/07/2022 21:42	02/08/2022 15:09	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.623	1	EPA 7196A	02/07/2022 09:15	02/07/2022 16:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**48.7**		mg/kg	0.500	1	Calculation	02/09/2022 13:19	02/09/2022 13:27	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.623	1	EPA 9014/9010C	02/07/2022 09:08	02/07/2022 15:43	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	02/07/2022 10:16	02/07/2022 14:10	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02042022** **York Sample ID:** **22B0233-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Water	February 4, 2022 3:00 pm	02/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL

Sample Information

Client Sample ID: **FB01_PFAS_02042022** **York Sample ID:** **22B0233-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0233	170610601	Water	February 4, 2022 3:00 pm	02/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/07/2022 10:45	02/07/2022 19:02	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*104 %*	*25-150*
Surrogate: M5PFHxA	*113 %*	*25-150*
Surrogate: M4PFHpA	*116 %*	*25-150*
Surrogate: M3PFHxS	*123 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*108 %*	*25-150*
Surrogate: M6PFDA	*116 %*	*25-150*
Surrogate: M7PFUdA	*105 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*107 %*	*25-150*
Surrogate: M2PFTeDA	*80.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*111 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*109 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*112 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*37.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*72.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*61.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*95.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*99.9 %*	*25-200*
Surrogate: M9PFNA	*121 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21455 **Preparation Method:** EPA 3550C **Prepared By:** JG

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/05/22
22B0233-02	EP06_7.5	02/05/22
22B0233-03	EP04_7.5	02/05/22
BB21455-MS1	Matrix Spike	02/05/22
BB21455-MSD1	Matrix Spike Dup	02/05/22

Batch ID: BB21456 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21456-BLK1	Blank	02/07/22
BB21456-BS1	LCS	02/07/22
BB21456-MS1	Matrix Spike	02/07/22
BB21456-MSD1	Matrix Spike Dup	02/07/22

Batch ID: BB21457 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/05/22
22B0233-02	EP06_7.5	02/05/22
22B0233-03	EP04_7.5	02/05/22
BB21457-BLK1	Blank	02/05/22
BB21457-BS1	LCS	02/05/22
BB21457-MS1	Matrix Spike	02/05/22
BB21457-MS2	Matrix Spike	02/05/22
BB21457-MSD1	Matrix Spike Dup	02/05/22
BB21457-MSD2	Matrix Spike Dup	02/05/22

Batch ID: BB21469 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21469-BLK1	Blank	02/07/22
BB21469-BLK2	Blank	02/07/22
BB21469-BS1	LCS	02/07/22
BB21469-BS2	LCS	02/07/22
BB21469-MS2	Matrix Spike	02/07/22

BB21469-MSD2	Matrix Spike Dup	02/07/22

Batch ID: BB21474 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21474-BLK1	Blank	02/07/22
BB21474-DUP1	Duplicate	02/07/22
BB21474-MS1	Matrix Spike	02/07/22
BB21474-SRM1	Reference	02/07/22

Batch ID: BB21475 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21475-BLK1	Blank	02/07/22
BB21475-DUP1	Duplicate	02/07/22
BB21475-MS1	Matrix Spike	02/07/22
BB21475-SRM1	Reference	02/07/22

Batch ID: BB21485 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21485-DUP1	Duplicate	02/07/22

Batch ID: BB21486 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-04	FB01_PFAS_02042022	02/07/22
BB21486-BLK1	Blank	02/07/22
BB21486-BS1	LCS	02/07/22
BB21486-BSD1	LCS Dup	02/07/22

Batch ID: BB21490 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21490-BLK1	Blank	02/07/22
BB21490-BS1	LCS	02/07/22

BB21490-MS1	Matrix Spike	02/07/22
BB21490-MSD1	Matrix Spike Dup	02/07/22

Batch ID: BB21521 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21521-BLK1	Blank	02/07/22
BB21521-DUP1	Duplicate	02/07/22
BB21521-MS1	Matrix Spike	02/07/22
BB21521-PS1	Post Spike	02/07/22
BB21521-SRM1	Reference	02/07/22

Batch ID: BB21529 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21529-BLK1	Blank	02/07/22
BB21529-BLK2	Blank	02/07/22
BB21529-BLK3	Blank	02/07/22
BB21529-BS1	LCS	02/07/22
BB21529-BSD1	LCS Dup	02/07/22

Batch ID: BB21547 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/07/22
22B0233-02	EP06_7.5	02/07/22
22B0233-03	EP04_7.5	02/07/22
BB21547-BLK1	Blank	02/07/22
BB21547-DUP1	Duplicate	02/07/22
BB21547-MS1	Matrix Spike	02/07/22
BB21547-SRM1	Reference	02/07/22

Batch ID: BB21662 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0233-01	EP25_7.5	02/09/22
22B0233-02	EP06_7.5	02/09/22
22B0233-03	EP04_7.5	02/09/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
Blank (BB21529-BLK2) HB-22B0118									Prepared & Analyzed: 02/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK2) HB-22B0118									Prepared & Analyzed: 02/07/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.7*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21529 - EPA 5035A

Blank (BB21529-BLK3) HB-22B0233 — Prepared & Analyzed: 02/07/2022

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
Blank (BB21529-BLK3) HB-22B0233								Prepared & Analyzed: 02/07/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*"*	*50.0*		*104*	*76-130*				
LCS (BB21529-BS1) LCS								Prepared & Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		99.1	75-129				
1,1,1-Trichloroethane	47.4		"	50.0		94.7	71-137				
1,1,2,2-Tetrachloroethane	50.8		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.2		"	50.0		100	58-146				
1,1,2-Trichloroethane	47.9		"	50.0		95.8	83-123				
1,1-Dichloroethane	45.8		"	50.0		91.6	75-130				
1,1-Dichloroethylene	49.7		"	50.0		99.4	64-137				
1,2,3-Trichlorobenzene	53.1		"	50.0		106	81-140				
1,2,3-Trichloropropane	49.6		"	50.0		99.3	81-126				
1,2,4-Trichlorobenzene	54.6		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	51.8		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	50.8		"	50.0		102	74-142				
1,2-Dibromoethane	50.0		"	50.0		100	86-123				
1,2-Dichlorobenzene	49.8		"	50.0		99.6	85-122				
1,2-Dichloroethane	46.9		"	50.0		93.9	71-133				
1,2-Dichloropropane	50.9		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126				
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124				
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124				
1,4-Dioxane	1270		"	1050		121	10-228				
2-Butanone	45.4		"	50.0		90.8	58-147				
2-Hexanone	49.7		"	50.0		99.5	70-139				
4-Methyl-2-pentanone	53.4		"	50.0		107	72-132				
Acetone	26.0		"	50.0		52.1	36-155				
Acrolein	27.7		"	50.0		55.5	10-238				
Acrylonitrile	45.1		"	50.0		90.3	66-141				
Benzene	46.4		"	50.0		92.8	77-127				
Bromochloromethane	46.1		"	50.0		92.2	74-129				
Bromodichloromethane	50.7		"	50.0		101	81-124				
Bromoform	53.9		"	50.0		108	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS (BB21529-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Bromomethane	48.3		ug/L	50.0		96.5	32-177				
Carbon disulfide	52.9		"	50.0		106	10-136				
Carbon tetrachloride	48.8		"	50.0		97.6	66-143				
Chlorobenzene	51.3		"	50.0		103	86-120				
Chloroethane	47.2		"	50.0		94.3	51-142				
Chloroform	46.8		"	50.0		93.5	76-131				
Chloromethane	51.3		"	50.0		103	49-132				
cis-1,2-Dichloroethylene	46.9		"	50.0		93.8	74-132				
cis-1,3-Dichloropropylene	52.5		"	50.0		105	81-129				
Cyclohexane	39.8		"	50.0		79.7	70-130				
Dibromochloromethane	50.4		"	50.0		101	10-200				
Dibromomethane	49.4		"	50.0		98.9	83-124				
Dichlorodifluoromethane	50.5		"	50.0		101	28-158				
Ethyl Benzene	51.0		"	50.0		102	84-125				
Hexachlorobutadiene	50.7		"	50.0		101	83-133				
Isopropylbenzene	53.7		"	50.0		107	81-127				
Methyl acetate	43.8		"	50.0		87.7	41-143				
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		98.1	74-131				
Methylcyclohexane	53.0		"	50.0		106	70-130				
Methylene chloride	46.3		"	50.0		92.5	57-141				
n-Butylbenzene	50.7		"	50.0		101	80-130				
n-Propylbenzene	50.9		"	50.0		102	74-136				
o-Xylene	53.3		"	50.0		107	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	52.6		"	50.0		105	85-125				
sec-Butylbenzene	51.5		"	50.0		103	83-125				
Styrene	50.5		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	185		"	250		73.9	70-130				
tert-Butylbenzene	45.4		"	50.0		90.8	80-127				
Tetrachloroethylene	46.6		"	50.0		93.1	80-129				
Toluene	48.0		"	50.0		95.9	85-121				
trans-1,2-Dichloroethylene	47.9		"	50.0		95.8	72-132				
trans-1,3-Dichloropropylene	52.1		"	50.0		104	78-132				
Trichloroethylene	51.0		"	50.0		102	84-123				
Trichlorofluoromethane	48.6		"	50.0		97.2	62-140				
Vinyl Chloride	47.5		"	50.0		94.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.7*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS Dup (BB21529-BSD1) LCS Dup								Prepared & Analyzed: 02/07/2022			
1,1,1,2-Tetrachloroethane	49.3		ug/L	50.0		98.6	75-129		0.486	30	
1,1,1-Trichloroethane	46.6		"	50.0		93.3	71-137		1.57	30	
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129		0.276	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2	58-146		1.26	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.6	83-123		0.209	30	
1,1-Dichloroethane	45.5		"	50.0		91.0	75-130		0.657	30	
1,1-Dichloroethylene	48.3		"	50.0		96.6	64-137		2.86	30	
1,2,3-Trichlorobenzene	53.7		"	50.0		107	81-140		1.09	30	
1,2,3-Trichloropropane	49.6		"	50.0		99.2	81-126		0.121	30	
1,2,4-Trichlorobenzene	55.0		"	50.0		110	80-141		0.766	30	
1,2,4-Trimethylbenzene	50.7		"	50.0		101	84-125		2.11	30	
1,2-Dibromo-3-chloropropane	51.8		"	50.0		104	74-142		2.07	30	
1,2-Dibromoethane	49.8		"	50.0		99.7	86-123		0.320	30	
1,2-Dichlorobenzene	49.6		"	50.0		99.2	85-122		0.443	30	
1,2-Dichloroethane	47.5		"	50.0		95.1	71-133		1.29	30	
1,2-Dichloropropane	50.5		"	50.0		101	81-122		0.789	30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		0.318	30	
1,3-Dichlorobenzene	49.4		"	50.0		98.8	84-124		1.67	30	
1,4-Dichlorobenzene	50.2		"	50.0		100	84-124		1.07	30	
1,4-Dioxane	1300		"	1050		123	10-228		1.81	30	
2-Butanone	46.0		"	50.0		92.0	58-147		1.29	30	
2-Hexanone	49.7		"	50.0		99.3	70-139		0.121	30	
4-Methyl-2-pentanone	53.2		"	50.0		106	72-132		0.432	30	
Acetone	25.3		"	50.0		50.6	36-155		2.84	30	
Acrolein	28.2		"	50.0		56.4	10-238		1.68	30	
Acrylonitrile	45.0		"	50.0		90.1	66-141		0.222	30	
Benzene	46.1		"	50.0		92.3	77-127		0.519	30	
Bromochloromethane	46.3		"	50.0		92.6	74-129		0.433	30	
Bromodichloromethane	50.2		"	50.0		100	81-124		1.01	30	
Bromoform	54.5		"	50.0		109	80-136		1.05	30	
Bromomethane	47.4		"	50.0		94.8	32-177		1.80	30	
Carbon disulfide	52.2		"	50.0		104	10-136		1.28	30	
Carbon tetrachloride	48.0		"	50.0		95.9	66-143		1.69	30	
Chlorobenzene	51.0		"	50.0		102	86-120		0.430	30	
Chloroethane	45.1		"	50.0		90.3	51-142		4.36	30	
Chloroform	46.7		"	50.0		93.5	76-131		0.0428	30	
Chloromethane	49.5		"	50.0		99.0	49-132		3.61	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.3	74-132		0.599	30	
cis-1,3-Dichloropropylene	52.1		"	50.0		104	81-129		0.745	30	
Cyclohexane	39.1		"	50.0		78.2	70-130		1.87	30	
Dibromochloromethane	50.9		"	50.0		102	10-200		0.967	30	
Dibromomethane	49.3		"	50.0		98.6	83-124		0.304	30	
Dichlorodifluoromethane	49.4		"	50.0		98.8	28-158		2.14	30	
Ethyl Benzene	49.8		"	50.0		99.7	84-125		2.42	30	
Hexachlorobutadiene	51.0		"	50.0		102	83-133		0.452	30	
Isopropylbenzene	52.8		"	50.0		106	81-127		1.71	30	
Methyl acetate	43.8		"	50.0		87.5	41-143		0.183	30	
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131		2.38	30	
Methylcyclohexane	51.8		"	50.0		104	70-130		2.31	30	
Methylene chloride	46.5		"	50.0		93.0	57-141		0.517	30	
n-Butylbenzene	48.7		"	50.0		97.4	80-130		3.92	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21529 - EPA 5035A											
LCS Dup (BB21529-BSD1) LCS Dup								Prepared & Analyzed: 02/07/2022			
n-Propylbenzene	50.4		ug/L	50.0		101	74-136		1.01	30	
o-Xylene	52.0		"	50.0		104	83-123		2.34	30	
p- & m- Xylenes	100		"	100		100	82-128		2.55	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		2.17	30	
sec-Butylbenzene	50.5		"	50.0		101	83-125		1.96	30	
Styrene	49.6		"	50.0		99.2	86-126		1.82	30	
tert-Butyl alcohol (TBA)	210		"	250		84.2	70-130		13.0	30	
tert-Butylbenzene	44.9		"	50.0		89.8	80-127		1.20	30	
Tetrachloroethylene	46.2		"	50.0		92.3	80-129		0.884	30	
Toluene	47.3		"	50.0		94.5	85-121		1.47	30	
trans-1,2-Dichloroethylene	47.1		"	50.0		94.1	72-132		1.81	30	
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132		0.230	30	
Trichloroethylene	50.1		"	50.0		100	84-123		1.90	30	
Trichlorofluoromethane	47.1		"	50.0		94.2	62-140		3.11	30	
Vinyl Chloride	45.5		"	50.0		91.1	52-130		4.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21455 - EPA 3550C											
Matrix Spike (BB21455-MS1) Matrix Spike	*Source sample: 22B0127-01 (Matrix Spike)							Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,1-Biphenyl	0.560	0.0873	mg/kg dry	0.872	ND	64.2	10-130				
1,2,4,5-Tetrachlorobenzene	0.613	0.174	"	0.872	ND	70.2	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.508	0.0873	"	0.872	ND	58.2	10-144				
2,3,4,6-Tetrachlorophenol	0.563	0.174	"	0.872	ND	64.6	30-130				
2,4,5-Trichlorophenol	0.678	0.0873	"	0.872	ND	77.8	10-127				
2,4,6-Trichlorophenol	0.625	0.0873	"	0.872	ND	71.7	10-132				
2,4-Dichlorophenol	0.612	0.0873	"	0.872	ND	70.2	10-128				
2,4-Dimethylphenol	0.532	0.0873	"	0.872	ND	61.0	10-137				
2,4-Dinitrophenol	ND	0.174	"	0.872	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.443	0.0873	"	0.872	ND	50.8	16-135				
2,6-Dinitrotoluene	0.501	0.0873	"	0.872	ND	57.4	18-131				
2-Chloronaphthalene	0.553	0.0873	"	0.872	ND	63.4	10-129				
2-Chlorophenol	0.572	0.0873	"	0.872	ND	65.6	15-116				
2-Methylnaphthalene	0.567	0.0873	"	0.872	ND	65.0	10-147				
2-Methylphenol	0.573	0.0873	"	0.872	ND	65.7	10-136				
2-Nitroaniline	0.788	0.174	"	0.872	ND	90.3	10-137				
2-Nitrophenol	0.267	0.0873	"	0.872	ND	30.6	10-129				
3- & 4-Methylphenols	0.489	0.0873	"	0.872	ND	56.1	10-123				
3,3-Dichlorobenzidine	1.38	0.0873	"	0.872	ND	158	10-155	High Bias			
3-Nitroaniline	0.790	0.174	"	0.872	ND	90.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.174	"	0.872	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.658	0.0873	"	0.872	ND	75.4	14-128				
4-Chloro-3-methylphenol	0.541	0.0873	"	0.872	ND	62.0	10-134				
4-Chloroaniline	0.509	0.0873	"	0.872	ND	58.4	10-145				
4-Chlorophenyl phenyl ether	0.565	0.0873	"	0.872	ND	64.8	14-130				
4-Nitroaniline	0.855	0.174	"	0.872	ND	98.0	10-147				
4-Nitrophenol	0.456	0.174	"	0.872	ND	52.3	10-137				
Acenaphthene	0.552	0.0873	"	0.872	ND	63.3	10-146				
Acenaphthylene	0.530	0.0873	"	0.872	ND	60.8	10-134				
Acetophenone	0.498	0.0873	"	0.872	ND	57.0	10-116				
Aniline	0.491	0.350	"	0.872	ND	56.2	10-123				
Anthracene	0.603	0.0873	"	0.872	ND	69.1	10-142				
Atrazine	0.611	0.0873	"	0.872	ND	70.1	19-115				
Benzaldehyde	0.517	0.0873	"	0.872	ND	59.3	10-125				
Benzo(a)anthracene	0.626	0.0873	"	0.872	ND	71.8	10-158				
Benzo(a)pyrene	0.708	0.0873	"	0.872	ND	81.2	10-180				
Benzo(b)fluoranthene	0.730	0.0873	"	0.872	ND	83.7	10-200				
Benzo(g,h,i)perylene	0.699	0.0873	"	0.872	ND	80.1	10-138				
Benzo(k)fluoranthene	0.696	0.0873	"	0.872	ND	79.8	10-197				
Benzoic acid	0.183	0.0873	"	0.872	ND	21.0	10-166				
Benzyl alcohol	0.532	0.0873	"	0.872	ND	61.0	12-124				
Benzyl butyl phthalate	0.583	0.0873	"	0.872	ND	66.8	10-154				
Bis(2-chloroethoxy)methane	0.525	0.0873	"	0.872	ND	60.2	10-132				
Bis(2-chloroethyl)ether	0.516	0.0873	"	0.872	ND	59.2	10-119				
Bis(2-chloroisopropyl)ether	0.499	0.0873	"	0.872	ND	57.2	10-139				
Bis(2-ethylhexyl)phthalate	0.629	0.0873	"	0.872	ND	72.2	10-167				
Caprolactam	0.754	0.174	"	0.872	ND	86.4	10-132				
Carbazole	0.638	0.0873	"	0.872	ND	73.1	10-167				
Chrysene	0.588	0.0873	"	0.872	ND	67.4	10-156				
Dibenzo(a,h)anthracene	0.775	0.0873	"	0.872	ND	88.9	10-137				
Dibenzofuran	0.551	0.0873	"	0.872	ND	63.2	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21455 - EPA 3550C											
Matrix Spike (BB21455-MS1) Matrix Spike	*Source sample: 22B0127-01 (Matrix Spike)							Prepared: 02/05/2022 Analyzed: 02/08/2022			
Diethyl phthalate	0.525	0.0873	mg/kg dry	0.872	ND	60.2	20-120				
Dimethyl phthalate	0.542	0.0873	"	0.872	ND	62.2	18-131				
Di-n-butyl phthalate	0.620	0.0873	"	0.872	ND	71.0	10-137				
Di-n-octyl phthalate	0.658	0.0873	"	0.872	ND	75.4	10-180				
Diphenylamine	0.712	0.174	"	0.872	ND	81.7	40-140				
Fluoranthene	0.634	0.0873	"	0.872	ND	72.6	10-160				
Fluorene	0.580	0.0873	"	0.872	ND	66.5	10-157				
Hexachlorobenzene	0.528	0.0873	"	0.872	ND	60.6	10-137				
Hexachlorobutadiene	0.577	0.0873	"	0.872	ND	66.2	10-132				
Hexachlorocyclopentadiene	ND	0.0873	"	0.872	ND		10-106	Low Bias			
Hexachloroethane	0.281	0.0873	"	0.872	ND	32.2	10-110				
Indeno(1,2,3-cd)pyrene	0.754	0.0873	"	0.872	ND	86.5	10-144				
Isophorone	0.500	0.0873	"	0.872	ND	57.4	10-132				
Naphthalene	0.558	0.0873	"	0.872	ND	64.0	10-141				
Nitrobenzene	0.560	0.0873	"	0.872	ND	64.2	10-131				
N-Nitrosodimethylamine	0.602	0.0873	"	0.872	ND	69.0	10-126				
N-nitroso-di-n-propylamine	0.454	0.0873	"	0.872	ND	52.0	10-125				
N-Nitrosodiphenylamine	0.705	0.0873	"	0.872	ND	80.8	10-177				
Pentachlorophenol	0.477	0.0873	"	0.872	ND	54.7	10-153				
Phenanthrene	0.573	0.0873	"	0.872	ND	65.7	10-148				
Phenol	0.594	0.0873	"	0.872	ND	68.1	10-126				
Pyrene	0.562	0.0873	"	0.872	ND	64.4	10-165				
Pyridine	0.536	0.350	"	0.872	ND	61.4	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.17*		"	*1.74*		*67.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		"	*1.74*		*62.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.561*		"	*0.872*		*64.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.539*		"	*0.872*		*61.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.49*		"	*1.74*		*85.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.582*		"	*0.872*		*66.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21455 - EPA 3550C											
Matrix Spike Dup (BB21455-M Matrix Spike Dup	*Source sample: 22B0127-01 (Matrix Spike Dup)								Prepared: 02/05/2022 Analyzed: 02/09/2022		
1,1-Biphenyl	0.597	0.0873	mg/kg dry	0.872	ND	68.5	10-130		6.51	30	
1,2,4,5-Tetrachlorobenzene	0.646	0.174	"	0.872	ND	74.1	10-133		5.32	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.544	0.0873	"	0.872	ND	62.3	10-144		6.77	30	
2,3,4,6-Tetrachlorophenol	0.632	0.174	"	0.872	ND	72.4	30-130		11.4	30	
2,4,5-Trichlorophenol	0.695	0.0873	"	0.872	ND	79.7	10-127		2.44	30	
2,4,6-Trichlorophenol	0.682	0.0873	"	0.872	ND	78.2	10-132		8.75	30	
2,4-Dichlorophenol	0.659	0.0873	"	0.872	ND	75.5	10-128		7.36	30	
2,4-Dimethylphenol	0.599	0.0873	"	0.872	ND	68.6	10-137		11.7	30	
2,4-Dinitrophenol	ND	0.174	"	0.872	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.505	0.0873	"	0.872	ND	57.9	16-135		13.1	30	
2,6-Dinitrotoluene	0.555	0.0873	"	0.872	ND	63.7	18-131		10.3	30	
2-Chloronaphthalene	0.608	0.0873	"	0.872	ND	69.7	10-129		9.50	30	
2-Chlorophenol	0.569	0.0873	"	0.872	ND	65.2	15-116		0.612	30	
2-Methylnaphthalene	0.616	0.0873	"	0.872	ND	70.6	10-147		8.25	30	
2-Methylphenol	0.590	0.0873	"	0.872	ND	67.6	10-136		2.88	30	
2-Nitroaniline	0.793	0.174	"	0.872	ND	91.0	10-137		0.706	30	
2-Nitrophenol	0.362	0.0873	"	0.872	ND	41.5	10-129		30.2	30	Non-dir.
3- & 4-Methylphenols	0.495	0.0873	"	0.872	ND	56.7	10-123		1.13	30	
3,3-Dichlorobenzidine	1.45	0.0873	"	0.872	ND	166	10-155	High Bias	4.89	30	
3-Nitroaniline	0.874	0.174	"	0.872	ND	100	12-133		10.1	30	
4,6-Dinitro-2-methylphenol	ND	0.174	"	0.872	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.692	0.0873	"	0.872	ND	79.4	14-128		5.06	30	
4-Chloro-3-methylphenol	0.598	0.0873	"	0.872	ND	68.6	10-134		10.0	30	
4-Chloroaniline	0.553	0.0873	"	0.872	ND	63.4	10-145		8.15	30	
4-Chlorophenyl phenyl ether	0.615	0.0873	"	0.872	ND	70.5	14-130		8.40	30	
4-Nitroaniline	0.883	0.174	"	0.872	ND	101	10-147		3.29	30	
4-Nitrophenol	0.507	0.174	"	0.872	ND	58.1	10-137		10.4	30	
Acenaphthene	0.620	0.0873	"	0.872	ND	71.1	10-146		11.7	30	
Acenaphthylene	0.576	0.0873	"	0.872	ND	66.0	10-134		8.20	30	
Acetophenone	0.521	0.0873	"	0.872	ND	59.8	10-116		4.66	30	
Aniline	0.528	0.350	"	0.872	ND	60.5	10-123		7.27	30	
Anthracene	0.663	0.0873	"	0.872	ND	76.0	10-142		9.48	30	
Atrazine	0.673	0.0873	"	0.872	ND	77.1	19-115		9.57	30	
Benzaldehyde	0.569	0.0873	"	0.872	ND	65.3	10-125		9.63	30	
Benzo(a)anthracene	0.646	0.0873	"	0.872	ND	74.1	10-158		3.18	30	
Benzo(a)pyrene	0.719	0.0873	"	0.872	ND	82.4	10-180		1.47	30	
Benzo(b)fluoranthene	0.712	0.0873	"	0.872	ND	81.6	10-200		2.52	30	
Benzo(g,h,i)perylene	0.802	0.0873	"	0.872	ND	91.9	10-138		13.8	30	
Benzo(k)fluoranthene	0.701	0.0873	"	0.872	ND	80.4	10-197		0.799	30	
Benzoic acid	0.124	0.0873	"	0.872	ND	14.2	10-166		38.7	30	Non-dir.
Benzyl alcohol	0.514	0.0873	"	0.872	ND	58.9	12-124		3.47	30	
Benzyl butyl phthalate	0.585	0.0873	"	0.872	ND	67.1	10-154		0.478	30	
Bis(2-chloroethoxy)methane	0.595	0.0873	"	0.872	ND	68.2	10-132		12.3	30	
Bis(2-chloroethyl)ether	0.512	0.0873	"	0.872	ND	58.6	10-119		0.950	30	
Bis(2-chloroisopropyl)ether	0.507	0.0873	"	0.872	ND	58.1	10-139		1.53	30	
Bis(2-ethylhexyl)phthalate	0.633	0.0873	"	0.872	ND	72.6	10-167		0.553	30	
Caprolactam	0.828	0.174	"	0.872	ND	95.0	10-132		9.44	30	
Carbazole	0.678	0.0873	"	0.872	ND	77.8	10-167		6.15	30	
Chrysene	0.627	0.0873	"	0.872	ND	71.8	10-156		6.32	30	
Dibenzo(a,h)anthracene	0.835	0.0873	"	0.872	ND	95.8	10-137		7.45	30	
Dibenzofuran	0.597	0.0873	"	0.872	ND	68.5	10-147		8.02	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21455 - EPA 3550C

Matrix Spike Dup (BB21455-M Matrix Spike Dup *Source sample: 22B0127-01 (Matrix Spike Dup) Prepared: 02/05/2022 Analyzed: 02/09/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Diethyl phthalate	0.565	0.0873	mg/kg dry	0.872	ND	64.7	20-120		7.17	30	
Dimethyl phthalate	0.586	0.0873	"	0.872	ND	67.2	18-131		7.79	30	
Di-n-butyl phthalate	0.641	0.0873	"	0.872	ND	73.5	10-137		3.43	30	
Di-n-octyl phthalate	0.650	0.0873	"	0.872	ND	74.5	10-180		1.28	30	
Diphenylamine	0.774	0.174	"	0.872	ND	88.7	40-140		8.26	30	
Fluoranthene	0.675	0.0873	"	0.872	ND	77.4	10-160		6.29	30	
Fluorene	0.620	0.0873	"	0.872	ND	71.1	10-157		6.74	30	
Hexachlorobenzene	0.590	0.0873	"	0.872	ND	67.7	10-137		11.1	30	
Hexachlorobutadiene	0.567	0.0873	"	0.872	ND	65.0	10-132		1.71	30	
Hexachlorocyclopentadiene	ND	0.0873	"	0.872	ND		10-106	Low Bias		30	
Hexachloroethane	0.303	0.0873	"	0.872	ND	34.7	10-110		7.66	30	
Indeno(1,2,3-cd)pyrene	0.769	0.0873	"	0.872	ND	88.2	10-144		1.92	30	
Isophorone	0.530	0.0873	"	0.872	ND	60.8	10-132		5.82	30	
Naphthalene	0.582	0.0873	"	0.872	ND	66.7	10-141		4.16	30	
Nitrobenzene	0.594	0.0873	"	0.872	ND	68.1	10-131		5.93	30	
N-Nitrosodimethylamine	0.641	0.0873	"	0.872	ND	73.4	10-126		6.18	30	
N-nitroso-di-n-propylamine	0.486	0.0873	"	0.872	ND	55.7	10-125		6.84	30	
N-Nitrosodiphenylamine	0.761	0.0873	"	0.872	ND	87.3	10-177		7.71	30	
Pentachlorophenol	0.541	0.0873	"	0.872	ND	62.0	10-153		12.5	30	
Phenanthrene	0.604	0.0873	"	0.872	ND	69.2	10-148		5.22	30	
Phenol	0.632	0.0873	"	0.872	ND	72.5	10-126		6.26	30	
Pyrene	0.561	0.0873	"	0.872	ND	64.3	10-165		0.124	30	
Pyridine	0.537	0.350	"	0.872	ND	61.6	10-83		0.260	30	
Surrogate: SURR: 2-Fluorophenol	*1.21*		"	*1.74*		*69.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.08*		"	*1.74*		*61.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.632*		"	*0.872*		*72.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.579*		"	*0.872*		*66.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.59*		"	*1.74*		*91.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.569*		"	*0.872*		*65.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21457 - EPA 3550C												
Blank (BB21457-BLK1)	Blank								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*208*		*"*	*495*		*42.0*	*39-127.5*				
LCS (BB21457-BS1)	LCS								Prepared: 02/05/2022 Analyzed: 02/08/2022			
1,4-Dioxane		589	19.8	ug/kg	495		119	40-130				
Surrogate: 1,4-Dioxane-d8		*208*		*"*	*495*		*42.0*	*39-127.5*				
Matrix Spike (BB21457-MS1)	Matrix Spike	*Source sample: 22B0106-09 (Matrix Spike)							Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane		549	19.8	ug/kg	495	ND	111	40-130				
Surrogate: 1,4-Dioxane-d8		*277*		*"*	*495*		*56.0*	*40-130*				
Matrix Spike (BB21457-MS2)	Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)							Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane		537	19.8	ug/kg	495	ND	108	40-130				
Surrogate: 1,4-Dioxane-d8		*356*		*"*	*495*		*72.0*	*40-130*				
Matrix Spike Dup (BB21457-M	Matrix Spike Dup	*Source sample: 22B0106-09 (Matrix Spike Dup)							Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane		495	19.8	ug/kg	495	ND	100	40-130		10.2	30	
Surrogate: 1,4-Dioxane-d8		*297*		*"*	*495*		*60.0*	*40-130*				
Matrix Spike Dup (BB21457-M	Matrix Spike Dup	*Source sample: 22B0118-01 (Matrix Spike Dup)							Prepared: 02/05/2022 Analyzed: 02/11/2022			
1,4-Dioxane		513	19.8	ug/kg	495	ND	104	40-130		4.53	30	
Surrogate: 1,4-Dioxane-d8		*277*		*"*	*495*		*56.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21486-BLK1) Blank									Prepared & Analyzed: 02/07/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.2*		"	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: M4PFHpA	*78.3*		"	*80.0*		*97.8*	*25-150*				
Surrogate: M3PFHxS	*70.6*		"	*75.7*		*93.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.3*		"	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*75.6*		"	*80.0*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*71.8*		"	*80.0*		*89.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.7*		"	*80.0*		*72.2*	*25-150*				
Surrogate: M2PFTeDA	*46.4*		"	*80.0*		*58.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.4*		"	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8*		"	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.8*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.0*		"	*80.0*		*18.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.7*		"	*80.0*		*74.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*50.6*		"	*80.0*		*63.3*	*25-150*				
Surrogate: M2-6:2 FTS	*64.9*		"	*75.9*		*85.5*	*25-200*				
Surrogate: M2-8:2 FTS	*65.5*		"	*76.6*		*85.4*	*25-200*				
Surrogate: M9PFNA	*90.5*		"	*80.0*		*113*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21486-BS1) LCS							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	70.4	2.00	ng/L	70.8		99.4	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	77.6	2.00	"	80.0		97.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.8	2.00	"	72.8		91.8	50-130				
Perfluorooctanoic acid (PFOA)	71.5	2.00	"	80.0		89.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	85.0	2.00	"	74.0		115	50-130				
Perfluorononanoic acid (PFNA)	64.3	2.00	"	80.0		80.4	50-130				
Perfluorodecanoic acid (PFDA)	74.4	2.00	"	80.0		93.0	50-130				
Perfluoroundecanoic acid (PFUnA)	85.6	2.00	"	80.0		107	50-130				
Perfluorododecanoic acid (PFDoA)	78.7	2.00	"	80.0		98.4	50-130				
Perfluorotridecanoic acid (PFTrDA)	73.9	2.00	"	80.0		92.4	50-130				
Perfluorotetradecanoic acid (PFTA)	83.5	2.00	"	80.0		104	50-130				
N-MeFOSAA	81.6	2.00	"	80.0		102	50-130				
N-EtFOSAA	90.1	2.00	"	80.0		113	50-130				
Perfluoropentanoic acid (PFPeA)	77.4	2.00	"	80.0		96.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.5	2.00	"	80.0		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.1	2.00	"	76.4		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	54.9	2.00	"	77.2		71.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.0	5.00	"	76.0		73.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.7	2.00	"	76.8		94.6	50-175				
Perfluoro-n-butanoic acid (PFBA)	76.7	2.00	"	80.0		95.9	50-130				
Surrogate: M3PFBS	*65.5*		*"*	*74.3*		*88.2*	*25-150*				
Surrogate: M5PFHxA	*74.1*		*"*	*80.0*		*92.7*	*25-150*				
Surrogate: M4PFHpA	*72.3*		*"*	*80.0*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.9*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*80.2*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M7PFUdA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.0*		*"*	*80.0*		*78.8*	*25-150*				
Surrogate: M2PFTeDA	*48.2*		*"*	*80.0*		*60.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		*"*	*80.0*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.9*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.2*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.0*		*"*	*80.0*		*25.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.4*		*"*	*80.0*		*78.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*53.6*		*"*	*80.0*		*67.0*	*25-150*				
Surrogate: M2-6:2 FTS	*92.8*		*"*	*75.9*		*122*	*25-200*				
Surrogate: M2-8:2 FTS	*93.1*		*"*	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*91.9*		*"*	*80.0*		*115*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21486 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21486-BSD1) LCS Dup							Prepared & Analyzed: 02/07/2022				
Perfluorobutanesulfonic acid (PFBS)	68.9	2.00	ng/L	70.8		97.3	50-130		2.21	30	
Perfluorohexanoic acid (PFHxA)	71.4	2.00	"	80.0		89.2	50-130		4.68	30	
Perfluoroheptanoic acid (PFHpA)	73.9	2.00	"	80.0		92.4	50-130		4.90	30	
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.00	"	72.8		93.8	50-130		2.15	30	
Perfluorooctanoic acid (PFOA)	69.1	2.00	"	80.0		86.4	50-130		3.36	30	
Perfluorooctanesulfonic acid (PFOS)	71.1	2.00	"	74.0		96.1	50-130		17.7	30	
Perfluorononanoic acid (PFNA)	62.9	2.00	"	80.0		78.7	50-130		2.16	30	
Perfluorodecanoic acid (PFDA)	72.9	2.00	"	80.0		91.2	50-130		2.02	30	
Perfluoroundecanoic acid (PFUnA)	71.4	2.00	"	80.0		89.3	50-130		18.0	30	
Perfluorododecanoic acid (PFDoA)	70.8	2.00	"	80.0		88.5	50-130		10.6	30	
Perfluorotridecanoic acid (PFTrDA)	70.3	2.00	"	80.0		87.9	50-130		4.99	30	
Perfluorotetradecanoic acid (PFTA)	73.2	2.00	"	80.0		91.5	50-130		13.1	30	
N-MeFOSAA	72.1	2.00	"	80.0		90.2	50-130		12.3	30	
N-EtFOSAA	90.7	2.00	"	80.0		113	50-130		0.753	30	
Perfluoropentanoic acid (PFPeA)	76.3	2.00	"	80.0		95.3	50-130		1.49	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.5	2.00	"	80.0		98.2	50-130		2.66	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.5	2.00	"	76.4		108	50-130		0.771	30	
Perfluoro-1-decanesulfonic acid (PFDS)	52.4	2.00	"	77.2		67.8	50-130		4.68	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	58.1	5.00	"	76.0		76.5	50-175		3.77	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	89.8	2.00	"	76.8		117	50-175		21.0	30	
Perfluoro-n-butanoic acid (PFBA)	74.1	2.00	"	80.0		92.6	50-130		3.53	30	
Surrogate: M3PFBS	*72.4*		"	*74.3*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*80.5*		"	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*81.3*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*73.1*		"	*75.7*		*96.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.2*		"	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*73.1*		"	*80.0*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*67.3*		"	*80.0*		*84.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.6*		"	*80.0*		*79.5*	*25-150*				
Surrogate: M2PFTeDA	*49.8*		"	*80.0*		*62.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.6*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.5*		"	*76.6*		*97.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.2*		"	*80.0*		*99.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.9*		"	*80.0*		*19.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*55.8*		"	*80.0*		*69.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*47.8*		"	*80.0*		*59.8*	*25-150*				
Surrogate: M2-6:2 FTS	*82.3*		"	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*74.3*		"	*76.6*		*97.0*	*25-200*				
Surrogate: M9PFNA	*89.7*		"	*80.0*		*112*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21490 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21490-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.09*		"	*4.50*		*90.8*	*25-150*				
Surrogate: M5PFHxA	*4.92*		"	*4.85*		*102*	*25-150*				
Surrogate: M4PFHpA	*4.50*		"	*4.85*		*92.9*	*25-150*				
Surrogate: M3PFHxS	*4.76*		"	*4.58*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.76*		"	*4.85*		*98.2*	*25-150*				
Surrogate: M6PFDA	*4.57*		"	*4.85*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*4.92*		"	*4.85*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.40*		"	*4.85*		*90.8*	*25-150*				
Surrogate: M2PFTeDA	*3.31*		"	*4.85*		*68.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.55*		"	*4.85*		*93.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.39*		"	*4.64*		*94.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.50*		"	*4.85*		*92.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.84*		"	*4.85*		*79.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.15*		"	*4.85*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.50*		"	*4.85*		*92.9*	*25-150*				
Surrogate: M2-6:2 FTS	*4.99*		"	*4.60*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*3.54*		"	*4.64*		*76.2*	*25-200*				
Surrogate: M9PFNA	*5.29*		"	*4.85*		*109*	*25-150*				

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

York Analytical Laboratories, Inc.

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

Batch BB21490 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BB21490-BS1) LCS — Prepared: 02/07/2022 Analyzed: 02/08/2022

Perfluorobutanesulfonic acid (PFBS)	4.02	0.232	ug/kg wet	4.12		97.8	50-130			
Perfluorohexanoic acid (PFHxA)	4.40	0.232	"	4.65		94.6	50-130			
Perfluoroheptanoic acid (PFHpA)	4.53	0.232	"	4.65		97.4	50-130			
Perfluorohexanesulfonic acid (PFHxS)	3.71	0.232	"	4.23		87.7	50-130			
Perfluorooctanoic acid (PFOA)	4.65	0.232	"	4.65		100	50-130			
Perfluorooctanesulfonic acid (PFOS)	4.68	0.232	"	4.30		109	50-130			
Perfluorononanoic acid (PFNA)	4.06	0.232	"	4.65		87.3	50-130			
Perfluorodecanoic acid (PFDA)	4.76	0.232	"	4.65		102	50-130			
Perfluoroundecanoic acid (PFUnA)	4.62	0.232	"	4.65		99.3	50-130			
Perfluorododecanoic acid (PFDoA)	4.29	0.232	"	4.65		92.3	50-130			
Perfluorotridecanoic acid (PFTrDA)	3.99	0.232	"	4.65		85.8	50-130			
Perfluorotetradecanoic acid (PFTA)	4.56	0.232	"	4.65		98.0	50-130			
N-MeFOSAA	4.61	0.232	"	4.65		99.2	50-130			
N-EtFOSAA	4.93	0.232	"	4.65		106	50-130			
Perfluoropentanoic acid (PFPeA)	4.28	0.232	"	4.65		92.0	50-130			
Perfluoro-1-octanesulfonamide (FOSA)	4.07	0.232	"	4.65		87.6	50-130			
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.82	0.232	"	4.44		108	50-130			
Perfluoro-1-decanesulfonic acid (PFDS)	3.73	0.232	"	4.49		83.0	50-130			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.14	0.232	"	4.42		116	50-200			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.05	0.232	"	4.46		90.6	50-200			
Perfluoro-n-butanoic acid (PFBA)	4.54	0.232	"	4.65		97.5	50-130			
Surrogate: M3PFBS	*4.04*		*"*	*4.32*		*93.6*	*25-150*			
Surrogate: M5PFHxA	*4.37*		*"*	*4.65*		*94.1*	*25-150*			
Surrogate: M4PFHpA	*4.33*		*"*	*4.65*		*93.1*	*25-150*			
Surrogate: M3PFHxS	*4.53*		*"*	*4.40*		*103*	*25-150*			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.19*		*"*	*4.65*		*90.0*	*25-150*			
Surrogate: M6PFDA	*4.22*		*"*	*4.65*		*90.7*	*25-150*			
Surrogate: M7PFUdA	*4.60*		*"*	*4.65*		*99.0*	*25-150*			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.23*		*"*	*4.65*		*91.0*	*25-150*			
Surrogate: M2PFTeDA	*3.44*		*"*	*4.65*		*74.0*	*10-150*			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.22*		*"*	*4.65*		*90.7*	*25-150*			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.41*		*"*	*4.45*		*99.1*	*25-150*			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.45*		*"*	*4.65*		*95.6*	*25-150*			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.90*		*"*	*4.65*		*83.8*	*10-150*			
Surrogate: d3-N-MeFOSAA	*4.06*		*"*	*4.65*		*87.3*	*25-150*			
Surrogate: d5-N-EtFOSAA	*3.91*		*"*	*4.65*		*84.1*	*25-150*			
Surrogate: M2-6:2 FTS	*3.66*		*"*	*4.41*		*83.0*	*25-200*			
Surrogate: M2-8:2 FTS	*4.28*		*"*	*4.45*		*96.0*	*25-200*			
Surrogate: M9PFNA	*4.80*		*"*	*4.65*		*103*	*25-150*			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21490 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21490-MS1) Matrix Spike	*Source sample: 22B0233-03 (EP04_7.5)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	5.86	0.289	ug/kg dry	5.12	ND	114	25-150				
Perfluorohexanoic acid (PFHxA)	6.02	0.289	"	5.79	ND	104	25-150				
Perfluoroheptanoic acid (PFHpA)	6.43	0.289	"	5.79	ND	111	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.09	0.289	"	5.27	ND	96.7	25-150				
Perfluorooctanoic acid (PFOA)	6.93	0.289	"	5.79	0.345	114	25-150				
Perfluorooctanesulfonic acid (PFOS)	8.66	0.289	"	5.35	1.01	143	25-150				
Perfluorononanoic acid (PFNA)	4.80	0.289	"	5.79	ND	83.0	25-150				
Perfluorodecanoic acid (PFDA)	6.06	0.289	"	5.79	ND	105	25-150				
Perfluoroundecanoic acid (PFUnA)	6.62	0.289	"	5.79	ND	114	25-150				
Perfluorododecanoic acid (PFDoA)	5.85	0.289	"	5.79	ND	101	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.71	0.289	"	5.79	ND	98.6	25-150				
Perfluorotetradecanoic acid (PFTA)	6.10	0.289	"	5.79	ND	105	25-150				
N-MeFOSAA	5.95	0.289	"	5.79	ND	103	25-150				
N-EtFOSAA	6.91	0.289	"	5.79	ND	119	25-150				
Perfluoropentanoic acid (PFPeA)	6.37	0.289	"	5.79	ND	110	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	7.57	0.289	"	5.79	ND	131	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.62	0.289	"	5.53	ND	138	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.10	0.289	"	5.59	ND	91.2	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.87	0.289	"	5.50	ND	88.6	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.84	0.289	"	5.56	ND	105	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.78	0.289	"	5.79	ND	117	25-150				
Surrogate: M3PFBS	*3.78*		*"*	*5.38*		*70.3*	*25-150*				
Surrogate: M5PFHxA	*4.42*		*"*	*5.79*		*76.3*	*25-150*				
Surrogate: M4PFHpA	*3.88*		*"*	*5.79*		*67.1*	*25-150*				
Surrogate: M3PFHxS	*4.94*		*"*	*5.48*		*90.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.28*		*"*	*5.79*		*74.0*	*25-150*				
Surrogate: M6PFDA	*4.72*		*"*	*5.79*		*81.5*	*25-150*				
Surrogate: M7PFUdA	*4.01*		*"*	*5.79*		*69.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.74*		*"*	*5.79*		*64.6*	*25-150*				
Surrogate: M2PFTeDA	*3.18*		*"*	*5.79*		*54.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.07*		*"*	*5.79*		*70.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.34*		*"*	*5.54*		*78.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.96*		*"*	*5.79*		*68.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.19*		*"*	*5.79*		*55.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.30*		*"*	*5.79*		*91.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.91*		*"*	*5.79*		*102*	*25-150*				
Surrogate: M2-6:2 FTS	*5.67*		*"*	*5.49*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*7.41*		*"*	*5.55*		*134*	*25-200*				
Surrogate: M9PFNA	*5.96*		*"*	*5.79*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21490 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21490-M Matrix Spike Dup	*Source sample: 22B0233-03 (EP04_7.5)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Perfluorobutanesulfonic acid (PFBS)	5.34	0.296	ug/kg dry	5.24	ND	102	25-150		9.24	35	
Perfluorohexanoic acid (PFHxA)	5.65	0.296	"	5.93	ND	95.3	25-150		6.39	35	
Perfluoroheptanoic acid (PFHpA)	6.87	0.296	"	5.93	ND	116	25-150		6.61	35	
Perfluorohexanesulfonic acid (PFHxS)	4.61	0.296	"	5.39	ND	85.4	25-150		10.0	35	
Perfluorooctanoic acid (PFOA)	5.63	0.296	"	5.93	0.345	89.2	25-150		20.6	35	
Perfluorooctanesulfonic acid (PFOS)	9.25	0.296	"	5.48	1.01	150	25-150		6.56	35	
Perfluorononanoic acid (PFNA)	5.08	0.296	"	5.93	ND	85.7	25-150		5.55	35	
Perfluorodecanoic acid (PFDA)	6.02	0.296	"	5.93	ND	102	25-150		0.598	35	
Perfluoroundecanoic acid (PFUnA)	5.97	0.296	"	5.93	ND	101	25-150		10.4	35	
Perfluorododecanoic acid (PFDoA)	5.40	0.296	"	5.93	ND	91.1	25-150		8.06	35	
Perfluorotridecanoic acid (PFTrDA)	5.19	0.296	"	5.93	ND	87.6	25-150		9.56	35	
Perfluorotetradecanoic acid (PFTA)	5.52	0.296	"	5.93	ND	93.1	25-150		10.0	35	
N-MeFOSAA	5.24	0.296	"	5.93	ND	88.4	25-150		12.8	35	
N-EtFOSAA	7.03	0.296	"	5.93	ND	119	25-150		1.71	35	
Perfluoropentanoic acid (PFPeA)	5.85	0.296	"	5.93	ND	98.7	25-150		8.56	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.64	0.296	"	5.93	ND	95.1	25-150		29.3	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.58	0.296	"	5.66	ND	134	25-150		0.480	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.03	0.296	"	5.72	ND	88.0	25-150		1.27	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.16	0.296	"	5.63	ND	73.9	25-200		15.7	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.31	0.296	"	5.69	ND	146	25-200		34.9	35	
Perfluoro-n-butanoic acid (PFBA)	6.08	0.296	"	5.93	ND	103	25-150		10.9	35	
Surrogate: M3PFBS	*4.11*		"	*5.51*		*74.7*	*25-150*				
Surrogate: M5PFHxA	*4.66*		"	*5.93*		*78.6*	*25-150*				
Surrogate: M4PFHpA	*3.87*		"	*5.93*		*65.4*	*25-150*				
Surrogate: M3PFHxS	*4.89*		"	*5.61*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.92*		"	*5.93*		*83.0*	*25-150*				
Surrogate: M6PFDA	*4.91*		"	*5.93*		*82.9*	*25-150*				
Surrogate: M7PFUdA	*4.47*		"	*5.93*		*75.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.25*		"	*5.93*		*71.8*	*25-150*				
Surrogate: M2PFTeDA	*3.78*		"	*5.93*		*63.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.48*		"	*5.93*		*75.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.25*		"	*5.67*		*74.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.57*		"	*5.93*		*77.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.08*		"	*5.93*		*68.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.83*		"	*5.93*		*98.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.41*		"	*5.93*		*91.3*	*25-150*				
Surrogate: M2-6:2 FTS	*6.68*		"	*5.62*		*119*	*25-200*				
Surrogate: M2-8:2 FTS	*4.45*		"	*5.68*		*78.4*	*25-200*				
Surrogate: M9PFNA	*5.59*		"	*5.93*		*94.3*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21469 - EPA 3550C											
Blank (BB21469-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0400*		*"*	*0.0664*		*60.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0393*		*"*	*0.0664*		*59.1*	*30-150*				
LCS (BB21469-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
4,4'-DDD	0.0256	0.00164	mg/kg wet	0.0332		77.2	40-140				
4,4'-DDE	0.0240	0.00164	"	0.0332		72.4	40-140				
4,4'-DDT	0.0171	0.00164	"	0.0332		51.3	40-140				
Aldrin	0.0247	0.00164	"	0.0332		74.5	40-140				
alpha-BHC	0.0262	0.00164	"	0.0332		78.8	40-140				
alpha-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
beta-BHC	0.0252	0.00164	"	0.0332		75.8	40-140				
delta-BHC	0.0246	0.00164	"	0.0332		73.9	40-140				
Dieldrin	0.0246	0.00164	"	0.0332		74.2	40-140				
Endosulfan I	0.0252	0.00164	"	0.0332		75.8	40-140				
Endosulfan II	0.0234	0.00164	"	0.0332		70.6	40-140				
Endosulfan sulfate	0.0206	0.00164	"	0.0332		61.9	40-140				
Endrin	0.0247	0.00164	"	0.0332		74.3	40-140				
Endrin aldehyde	0.0286	0.00164	"	0.0332		86.1	40-140				
Endrin ketone	0.0275	0.00164	"	0.0332		82.9	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		80.9	40-140				
gamma-Chlordane	0.0245	0.00164	"	0.0332		73.9	40-140				
Heptachlor	0.0241	0.00164	"	0.0332		72.7	40-140				
Heptachlor epoxide	0.0256	0.00164	"	0.0332		77.0	40-140				
Methoxychlor	0.0227	0.00164	"	0.0332		68.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0438*		*"*	*0.0664*		*65.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0419*		*"*	*0.0664*		*63.1*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix							Prepared & Analyzed: 02/07/2022				
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2B1025 - BB21553											
Performance Mix (Y2B1025-P Performance Mix							Prepared & Analyzed: 02/09/2022				
4,4'-DDD	18.6		ng/mL	0.00			0-200				
4,4'-DDE	2.70		"	0.00			0-200				
4,4'-DDT	215		"	200		107	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	2.89		"	0.00			0-200				
Endrin ketone	17.7		"	0.00			0-200				
Performance Mix (Y2B1025-P Performance Mix							Prepared & Analyzed: 02/09/2022				
4,4'-DDD	20.4		ng/mL	0.00			0-200				
4,4'-DDE	2.57		"	0.00			0-200				
4,4'-DDT	200		"	200		100	0-200				
Endrin	143		"	100		143	0-200				
Endrin aldehyde	10.4		"	0.00			0-200				
Endrin ketone	18.6		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21469 - EPA 3550C											
Blank (BB21469-BLK2) Blank								Prepared & Analyzed: 02/07/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0618*		"	*0.0664*		*93.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0641*		"	*0.0664*		*96.5*	*30-150*				
LCS (BB21469-BS2) LCS								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.255	0.0166	mg/kg wet	0.332		76.9	40-140			30	
Aroclor 1260	0.266	0.0166	"	0.332		80.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0575*		"	*0.0664*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0571*		"	*0.0664*		*86.0*	*30-150*				
Matrix Spike (BB21469-MS2) Matrix Spike *Source sample: 22B0221-01 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.404	0.0209	mg/kg dry	0.418	ND	96.6	40-140			30	
Aroclor 1260	0.440	0.0209	"	0.418	ND	105	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0707*		"	*0.0837*		*84.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0765*		"	*0.0837*		*91.5*	*30-150*				
Matrix Spike Dup (BB21469-M Matrix Spike Dup *Source sample: 22B0221-01 (Matrix Spike Dup)								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aroclor 1016	0.399	0.0209	mg/kg dry	0.418	ND	95.4	40-140		1.23	30	
Aroclor 1260	0.429	0.0209	"	0.418	ND	103	40-140		2.46	30	
Surrogate: Tetrachloro-m-xylene	*0.0707*		"	*0.0837*		*84.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0749*		"	*0.0837*		*89.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0736 - BB21469											
Aroclor Reference (Y2B0736- Aroclor Reference									Prepared & Analyzed: 02/07/2022		
Surrogate: Tetrachloro-m-xylene	*0.208*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.191*		*"*	*0.200*		*95.5*					
Batch Y2B0812 - BB21395											
Aroclor Reference (Y2B0812- Aroclor Reference									Prepared & Analyzed: 02/07/2022		
Surrogate: Tetrachloro-m-xylene	*0.192*		*ug/mL*	*0.200*		*96.0*					
Surrogate: Decachlorobiphenyl	*0.200*		*"*	*0.200*		*100*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21456 - EPA 3550C/8151A											
Blank (BB21456-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.194*		*"*	*0.415*		*46.8*	*21-150*				
LCS (BB21456-BS1) LCS									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0648	0.0199	mg/kg wet	0.133		48.7	10-120				
2,4,5-TP (Silvex)	0.0748	0.0199	"	0.133		56.2	10-120				
2,4-D	0.0739	0.0199	"	0.133		55.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.305*		*"*	*0.415*		*73.4*	*21-150*				
Matrix Spike (BB21456-MS1) Matrix Spike *Source sample: 22B0106-09 (Matrix Spike)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0603	0.0234	mg/kg dry	0.156	ND	38.8	10-120				
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120				
2,4-D	0.0710	0.0234	"	0.156	ND	45.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.288*		*"*	*0.487*		*59.2*	*21-150*				
Matrix Spike Dup (BB21456-M Matrix Spike Dup *Source sample: 22B0106-09 (Matrix Spike Dup)									Prepared: 02/07/2022 Analyzed: 02/08/2022		
2,4,5-T	0.0613	0.0234	mg/kg dry	0.156	ND	39.4	10-120		1.60	35	
2,4,5-TP (Silvex)	0.0681	0.0234	"	0.156	ND	43.8	10-120		0.00	35	
2,4-D	0.0691	0.0234	"	0.156	ND	44.4	10-118		2.78	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.243*		*"*	*0.487*		*50.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21521 - EPA 3050B											
Blank (BB21521-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	49.7	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	40.4	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21521-DUP1) Duplicate	*Source sample: 22B0233-03 (EP04_7.5)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	10800	6.23	mg/kg dry		11400				5.20	35	
Antimony	ND	3.12	"		ND					35	
Arsenic	5.04	1.87	"		3.73				29.9	35	
Barium	89.9	3.12	"		60.5				39.2	35	Non-dir.
Beryllium	ND	0.062	"		ND					35	
Cadmium	ND	0.374	"		ND					35	
Calcium	23500	6.23	"		11700				66.9	35	Non-dir.
Chromium	39.2	0.623	"		48.7				21.8	35	
Cobalt	15.5	0.499	"		18.7				18.7	35	
Copper	43.1	2.49	"		37.4				14.2	35	
Iron	19500	31.2	"		23800				19.7	35	
Lead	151	0.623	"		74.8				67.3	35	Non-dir.
Magnesium	9140	6.23	"		6940				27.4	35	
Manganese	299	0.623	"		288				3.74	35	
Nickel	186	1.25	"		230				21.3	35	
Potassium	1450	6.23	"		1330				8.16	35	
Selenium	ND	3.12	"		ND					35	
Silver	ND	0.623	"		ND					35	
Sodium	320	62.3	"		223				35.9	35	Non-dir.
Thallium	ND	3.12	"		ND					35	
Vanadium	54.9	1.25	"		50.4				8.55	35	
Zinc	154	3.12	"		102				40.7	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21521 - EPA 3050B											
Matrix Spike (BB21521-MS1) Matrix Spike	*Source sample: 22B0233-03 (EP04_7.5)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	7180	6.23	mg/kg dry	249	11400	NR	75-125	Low Bias			
Antimony	7.99	3.12	"	31.2	ND	25.6	75-125	Low Bias			
Arsenic	257	1.87	"	249	3.73	102	75-125				
Barium	324	3.12	"	249	60.5	106	75-125				
Beryllium	5.70	0.062	"	6.23	ND	91.5	75-125				
Cadmium	6.38	0.374	"	6.23	ND	102	75-125				
Calcium	25200	6.23	"	125	11700	NR	75-125	High Bias			
Chromium	48.6	0.623	"	24.9	48.7	NR	75-125	Low Bias			
Cobalt	73.7	0.499	"	62.3	18.7	88.2	75-125				
Copper	64.6	2.49	"	31.2	37.4	87.2	75-125				
Iron	15100	31.2	"	125	23800	NR	75-125	Low Bias			
Lead	232	0.623	"	62.3	74.8	252	75-125	High Bias			
Magnesium	8580	6.23	"	125	6940	NR	75-125	High Bias			
Manganese	282	0.623	"	62.3	288	NR	75-125	Low Bias			
Nickel	161	1.25	"	62.3	230	NR	75-125	Low Bias			
Potassium	1160	6.23	"	125	1330	NR	75-125	Low Bias			
Selenium	209	3.12	"	249	ND	83.7	75-125				
Silver	5.62	0.623	"	6.23	ND	90.1	75-125				
Sodium	468	62.3	"	125	223	197	75-125	High Bias			
Thallium	226	3.12	"	249	ND	90.4	75-125				
Vanadium	97.2	1.25	"	62.3	50.4	75.1	75-125				
Zinc	157	3.12	"	62.3	102	89.0	75-125				
Post Spike (BB21521-PS1) Post Spike	*Source sample: 22B0233-03 (EP04_7.5)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Aluminum	92.8		ug/mL	2.00	91.3	73.9	75-125	Low Bias			
Antimony	0.292		"	0.250	0.024	107	75-125				
Arsenic	2.08		"	2.00	0.030	103	75-125				
Barium	2.66		"	2.00	0.485	109	75-125				
Beryllium	0.051		"	0.0500	-0.002	102	75-125				
Cadmium	0.050		"	0.0500	0.0007	99.5	75-125				
Calcium	91.9		"	1.00	93.9	NR	75-125	Low Bias			
Chromium	0.594		"	0.200	0.391	102	75-125				
Cobalt	0.691		"	0.500	0.150	108	75-125				
Copper	0.565		"	0.250	0.300	106	75-125				
Iron	191		"	1.00	191	3.66	75-125	Low Bias			
Lead	1.15		"	0.500	0.600	110	75-125				
Magnesium	56.4		"	1.00	55.6	78.3	75-125				
Manganese	2.87		"	0.500	2.31	113	75-125				
Nickel	2.35		"	0.500	1.85	101	75-125				
Potassium	11.6		"	1.00	10.7	88.1	75-125				
Selenium	1.71		"	2.00	-0.116	85.5	75-125				
Silver	0.045		"	0.0500	-0.006	89.9	75-125				
Sodium	2.87		"	1.00	1.79	109	75-125				
Thallium	1.95		"	2.00	-0.021	97.6	75-125				
Vanadium	0.926		"	0.500	0.404	104	75-125				
Zinc	1.32		"	0.500	0.816	101	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21521 - EPA 3050B											
Reference (BB21521-SRM1) Reference								Prepared: 02/07/2022 Analyzed: 02/08/2022			
Aluminum	9710	5.00	mg/kg wet	8130		119	49.9-150.1				
Antimony	70.0	2.50	"	134		52.2	19.3-250				
Arsenic	174	1.50	"	156		111	69.9-130.1				
Barium	292	2.50	"	239		122	74.9-124.7				
Beryllium	196	0.050	"	169		116	75.1-125.4				
Cadmium	164	0.300	"	137		120	75.2-124.8				
Calcium	5570	5.00	"	4760		117	72.7-127.5				
Chromium	175	0.500	"	154		114	70.1-129.9				
Cobalt	144	0.400	"	121		119	75-124.8				
Copper	63.0	2.00	"	54.9		115	74.9-125				
Iron	15900	25.0	"	14100		113	34.9-164.5				
Lead	144	0.500	"	130		111	71.8-128.5				
Magnesium	2750	5.00	"	2320		119	62.1-137.9				
Manganese	295	0.500	"	269		110	74-126.4				
Nickel	75.3	1.00	"	53.9		140	69.9-129.9	High Bias			
Potassium	2410	5.00	"	2020		119	58.9-141.1				
Selenium	149	2.50	"	167		89.2	67.7-132.3				
Silver	37.0	0.500	"	33.6		110	68.5-131.3				
Sodium	162	50.0	"	133		122	35-165.4				
Thallium	121	2.50	"	112		108	67.9-131.3				
Vanadium	66.3	1.00	"	62.6		106	59.1-141.1				
Zinc	170	2.50	"	158		108	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21547 - EPA 7473 soil											
Blank (BB21547-BLK1) Blank									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21547-DUP1) Duplicate	*Source sample: 22B0118-01 (Duplicate)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	0.323	0.0376	mg/kg dry		0.311				3.83	35	
Matrix Spike (BB21547-MS1) Matrix Spike	*Source sample: 22B0118-01 (Matrix Spike)								Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	0.760		mg/kg	0.500	0.249	102	75-125				
Reference (BB21547-SRM1) Reference									Prepared: 02/07/2022 Analyzed: 02/08/2022		
Mercury	24.111		mg/kg	27.2		88.6	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21474 - Analysis Preparation Soil												
Blank (BB21474-BLK1)	Blank								Prepared & Analyzed: 02/07/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21474-DUP1)	Duplicate	*Source sample: 22B0233-03 (EP04_7.5)							Prepared & Analyzed: 02/07/2022			
Cyanide, total		ND	0.623	mg/kg dry		ND					15	
Matrix Spike (BB21474-MS1)	Matrix Spike	*Source sample: 22B0233-03 (EP04_7.5)							Prepared & Analyzed: 02/07/2022			
Cyanide, total		11.6	0.623	mg/kg dry	12.5	ND	93.3	79.6-107				
Reference (BB21474-SRM1)	Reference								Prepared & Analyzed: 02/07/2022			
Cyanide, total		104		ug/mL	86.8		120	41.82-157.83				
Batch BB21475 - EPA SW846-3060												
Blank (BB21475-BLK1)	Blank								Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21475-DUP1)	Duplicate	*Source sample: 22B0220-01 (Duplicate)							Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.551	mg/kg dry		ND					35	
Matrix Spike (BB21475-MS1)	Matrix Spike	*Source sample: 22B0220-01 (Matrix Spike)							Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		ND	0.551	mg/kg dry	22.0	ND		75-125	Low Bias			
Reference (BB21475-SRM1)	Reference								Prepared & Analyzed: 02/07/2022			
Chromium, Hexavalent		59.7		mg/L	109		54.8	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21485 - % Solids Prep											
Duplicate (BB21485-DUP1) Duplicate	*Source sample: 22B0241-07 (Duplicate)							Prepared & Analyzed: 02/07/2022			
% Solids	93.2	0.100	%		92.8				0.476	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0233-01	EP25_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0233-02	EP06_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0233-03	EP04_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22b0233

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Same	Company: Same
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: KSeman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay St

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day (X)
- RUSH - Four Day
- ~~Standard (5-7 Day)~~ (X)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Kaitlyn Gioia / Jessica Babb

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ; Other

Samples From

- New York (X)
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report; QA Report; NY ASP A Package; (NY ASP B Package); CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP05-7.5	S	2/4/22 1200	TCL/Part 375 VOCs and SVOCs, PCBs, Pesticides herbicides, metals including cyanide, hex +tivalent, chromium, PFAS, 1,4-dioxane	1 40z, 1 8oz, 1 250mL 1 terrare
EP06-7.5	↓	1415	↓	↓
EP04-7.5	↓	1430	↓	↓
FB01_PFAS_02042022	other/AQ	2/4/22 1500	PFAS	1 250 mL

Comments: Please email lesmail@langan.com and maronica@langan.com

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: 4°C

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Langan	2/4/20 1935	York	2-4-22 1545	York	2-4-22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Andrew S. York	2/4/22 1800	Andrew S. York	2/4/22 2108		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	2/4/22 2109 / 3.4 Degrees C

Technical Report

prepared for:

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

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0289

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0289

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 07, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0289-01	EP13_7.5	Soil	02/07/2022	02/07/2022
22B0289-02	EP15_7.5	Soil	02/07/2022	02/07/2022
22B0289-03	EP42_7.5	Soil	02/07/2022	02/07/2022
22B0289-04	EP52_7.5	Soil	02/07/2022	02/07/2022
22B0289-05	FB02_02072022	Water	02/07/2022	02/07/2022
22B0289-06	FB01_PFAS_02072022	Water	02/07/2022	02/07/2022
22B0289-07	TB02_02072022	Water	02/07/2022	02/07/2022

General Notes for York Project (SDG) No.: 22B0289

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

Approved By **Date:** 02/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0082**	J	mg/kg dry	0.0061	0.012	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0061	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.189**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.210	0.419	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.476**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.419	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.748**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.726**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.568**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.485**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.537**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.104**	J	mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.694**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.112**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.209	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.70**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.203**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.568**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.85**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.65**		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.210	0.419	2	EPA 8270D	02/09/2022 12:54	02/10/2022 23:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*68.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*60.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*72.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*61.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*74.0 %*	*24-116*

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/09/2022 12:57	02/11/2022 19:00	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.432**		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.773**		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 13:30	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.3 %*	*25-150*
Surrogate: M5PFHxA	*86.2 %*	*25-150*
Surrogate: M4PFHpA	*66.8 %*	*25-150*
Surrogate: M3PFHxS	*91.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*90.3 %*	*25-150*
Surrogate: M6PFDA	*80.9 %*	*25-150*
Surrogate: M7PFUdA	*73.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.7 %*	*25-150*
Surrogate: M2PFTeDA	*57.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*100 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*98.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*146 %*	*25-200*
Surrogate: M2-8:2 FTS	*171 %*	*25-200*
Surrogate: M9PFNA	*100 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:39	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:39	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:39	CM

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.212	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0424	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:39	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.1 %*	*30-150*

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A	02/08/2022 07:58	02/08/2022 21:49	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0496	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0496	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0496	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*58.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10000**		mg/kg dry	6.45	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.44**		mg/kg dry	3.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**81.7**		mg/kg dry	3.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.387	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8210**	B	mg/kg dry	6.45	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**82.7**		mg/kg dry	0.645	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**28.9**		mg/kg dry	0.516	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**64.3**		mg/kg dry	2.58	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**27700**		mg/kg dry	32.2	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**193**		mg/kg dry	0.645	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**23300**		mg/kg dry	6.45	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**385**		mg/kg dry	0.645	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**430**		mg/kg dry	1.29	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1820**	B	mg/kg dry	6.45	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.645	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**394**		mg/kg dry	64.5	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**39.7**		mg/kg dry	1.29	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**161**	B	mg/kg dry	3.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:29	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP13_7.5 **York Sample ID:** 22B0289-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:30 pm	02/07/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.474**		mg/kg dry	0.0387	1	EPA 7473	02/08/2022 21:54	02/09/2022 10:53	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.645	1	EPA 7196A	02/08/2022 09:03	02/08/2022 16:38	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**82.7**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:14	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.645	1	EPA 9014/9010C	02/08/2022 09:03	02/08/2022 15:32	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.6**		%	0.100	1	SM 2540G	02/08/2022 10:30	02/08/2022 15:20	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.012**		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	02/08/2022 06:44	02/08/2022 14:38	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.3 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.115**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.138**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.617**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.519**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.465**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.386**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.346**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.563**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.108**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.24**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0554**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.429**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.0570**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.565**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.12**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/09/2022 12:54	02/11/2022 00:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*88.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*85.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*104 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*72.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.0 %*	*24-116*

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/09/2022 12:57	02/11/2022 19:17	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*64.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.368**		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.304	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:19	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.0 %*	*25-150*
Surrogate: M5PFHxA	*75.2 %*	*25-150*
Surrogate: M4PFHpA	*77.7 %*	*25-150*
Surrogate: M3PFHxS	*84.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*80.3 %*	*25-150*
Surrogate: M6PFDA	*80.0 %*	*25-150*
Surrogate: M7PFUdA	*75.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*69.3 %*	*25-150*
Surrogate: M2PFTeDA	*52.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*70.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*77.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*69.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*89.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*86.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*109 %*	*25-200*
Surrogate: M2-8:2 FTS	*75.1 %*	*25-200*
Surrogate: M9PFNA	*82.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:56	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:56	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 22:56	CM

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.203	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0406	5	EPA 8081B	02/08/2022 07:58	02/09/2022 22:56	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*37.6 %*	*30-150*

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:02	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0244	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0244	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0244	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*45.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7590**		mg/kg dry	6.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.87**		mg/kg dry	3.09	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.85	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**66.9**		mg/kg dry	3.09	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.530**		mg/kg dry	0.370	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**4680**	B	mg/kg dry	6.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**62.3**		mg/kg dry	0.617	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**28.3**		mg/kg dry	0.494	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**77.6**		mg/kg dry	2.47	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**22000**		mg/kg dry	30.9	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**118**		mg/kg dry	0.617	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**27800**		mg/kg dry	6.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**159**		mg/kg dry	0.617	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**496**		mg/kg dry	1.23	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**963**	B	mg/kg dry	6.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.09	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.617	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**217**		mg/kg dry	61.7	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.09	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.9**		mg/kg dry	1.23	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**373**	B	mg/kg dry	3.09	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP15_7.5 **York Sample ID:** 22B0289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 1:00 pm	02/07/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.379**		mg/kg dry	0.0370	1	EPA 7473	02/08/2022 21:54	02/09/2022 14:23	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.617	1	EPA 7196A	02/08/2022 09:03	02/08/2022 16:38	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**62.3**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:14	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.617	1	EPA 9014/9010C	02/08/2022 09:03	02/08/2022 15:32	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.0**		%	0.100	1	SM 2540G	02/08/2022 10:30	02/08/2022 15:20	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.44**	VOA-E	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.096**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0071**	CCV-E, J	mg/kg dry	0.0057	0.011	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**0.070**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.059**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.28**	VOA-E	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	**Isopropylbenzene**	**0.019**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	**Methylcyclohexane**	**0.14**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	**n-Butylbenzene**	**0.0097**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	**n-Propylbenzene**	**0.066**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	**o-Xylene**	**0.52**	VOA-E	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	**p- & m- Xylenes**	**1.2**	VOA-E	mg/kg dry	0.0057	0.011	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	**p-Isopropyltoluene**	**0.0031**	J	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	**sec-Butylbenzene**	**0.0038**	J	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	**Styrene**	**0.017**		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	**Toluene**	**1.2**	VOA-E	mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**1.7**		mg/kg dry	0.0085	0.017	1	EPA 8260C	02/11/2022 06:39	02/11/2022 16:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*56.8 %*	S-03	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*		*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.905	1.81	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.905	1.81	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.231**	J	mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.452	0.903	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.361**	J	mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.408**	J	mg/kg dry	0.227	0.452	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.905	1.81	10	EPA 8270D	02/09/2022 12:54	02/11/2022 00:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*28.4 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*39.0 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*56.0 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.6 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*3.60 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.4 %*		*24-116*

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/09/2022 12:57	02/11/2022 19:51	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*74.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL

Sample Information

Client Sample ID: **EP42_7.5** **York Sample ID:** **22B0289-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:31	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*77.0 %*	*25-150*
Surrogate: M5PFHxA	*78.2 %*	*25-150*
Surrogate: M4PFHpA	*72.0 %*	*25-150*
Surrogate: M3PFHxS	*91.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*72.4 %*	*25-150*
Surrogate: M6PFDA	*81.0 %*	*25-150*
Surrogate: M7PFUdA	*72.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.3 %*	*25-150*
Surrogate: M2PFTeDA	*50.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*76.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*95.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*98.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*105 %*	*25-200*
Surrogate: M9PFNA	*88.5 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:13	CM
72-55-9	**4,4'-DDE**	**0.00464**		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:13	CM

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**0.0214**		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	**gamma-Chlordane**	**0.0189**		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	*** Chlordane, total**	**0.232**		mg/kg dry	0.0365	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:13	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.6 %*	*30-150*

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:16	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:39	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*10.4 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8400**		mg/kg dry	5.55	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.20**		mg/kg dry	1.66	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**49.2**		mg/kg dry	2.77	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.333	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**32300**	B	mg/kg dry	5.55	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**30.2**		mg/kg dry	0.555	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.96**		mg/kg dry	0.444	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**88.5**		mg/kg dry	2.22	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**24100**		mg/kg dry	27.7	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**45.6**		mg/kg dry	0.555	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8350**		mg/kg dry	5.55	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**274**		mg/kg dry	0.555	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**60.6**		mg/kg dry	1.11	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**759**	B	mg/kg dry	5.55	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.555	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**591**		mg/kg dry	55.5	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.6**		mg/kg dry	1.11	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**57.1**	B	mg/kg dry	2.77	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP42_7.5 **York Sample ID:** 22B0289-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:15 pm	02/07/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0981**		mg/kg dry	0.0333	1	EPA 7473	02/08/2022 21:54	02/09/2022 14:32	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.555	1	EPA 7196A	02/08/2022 09:03	02/08/2022 16:38	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**30.2**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:14	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.555	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.1**		%	0.100	1	SM 2540G	02/08/2022 10:30	02/08/2022 15:20	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	02/08/2022 06:44	02/08/2022 15:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*114 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.966	1.93	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.274**	J	mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.966	1.93	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.10**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.26**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.03**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.760**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.895**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.03**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.482	0.964	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.18**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.926**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.10**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.91**		mg/kg dry	0.242	0.482	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.966	1.93	10	EPA 8270D	02/09/2022 12:54	02/11/2022 01:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*70.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*85.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*58.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*61.6 %*	*24-116*

Sample Information

Client Sample ID: **EP52_7.5** **York Sample ID:** **22B0289-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/09/2022 12:57	02/11/2022 20:08	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.875**		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.288	1	EPA 537m Certifications:	02/08/2022 11:34	02/10/2022 14:43	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.9 %*	*25-150*
Surrogate: M5PFHxA	*78.1 %*	*25-150*
Surrogate: M4PFHpA	*76.9 %*	*25-150*
Surrogate: M3PFHxS	*92.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.2 %*	*25-150*
Surrogate: M6PFDA	*84.1 %*	*25-150*
Surrogate: M7PFUdA	*79.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*73.5 %*	*25-150*
Surrogate: M2PFTeDA	*45.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*92.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*90.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*100 %*	*25-150*
Surrogate: M2-6:2 FTS	*84.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*82.8 %*	*25-200*
Surrogate: M9PFNA	*89.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/08/2022 07:58	02/09/2022 23:29	CM

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0381	5	EPA 8081B	02/08/2022 07:58	02/09/2022 23:29	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.9 %*	*30-150*

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A	02/08/2022 07:58	02/08/2022 22:29	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0231	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A	02/08/2022 13:32	02/09/2022 16:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*44.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9300**		mg/kg dry	5.86	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP52_7.5** **York Sample ID:** **22B0289-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.47**		mg/kg dry	1.76	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**129**		mg/kg dry	2.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.352	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**14600**	B	mg/kg dry	5.86	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**28.9**		mg/kg dry	0.586	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**14.4**		mg/kg dry	0.469	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**146**		mg/kg dry	2.34	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18300**		mg/kg dry	29.3	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**418**		mg/kg dry	0.586	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7200**		mg/kg dry	5.86	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**427**		mg/kg dry	0.586	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**114**		mg/kg dry	1.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1370**	B	mg/kg dry	5.86	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.586	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**420**		mg/kg dry	58.6	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.4**		mg/kg dry	1.17	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**240**	B	mg/kg dry	2.93	1	EPA 6010D	02/08/2022 14:56	02/09/2022 17:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP52_7.5 **York Sample ID:** 22B0289-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Soil	February 7, 2022 3:30 pm	02/07/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.442**		mg/kg dry	0.0352	1	EPA 7473	02/08/2022 21:54	02/09/2022 14:42	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.586	1	EPA 7196A	02/08/2022 09:03	02/08/2022 16:38	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**28.9**		mg/kg	0.500	1	Calculation	02/10/2022 13:16	02/10/2022 18:14	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.586	1	EPA 9014/9010C	02/08/2022 15:34	02/08/2022 21:30	LRW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.3**		%	0.100	1	SM 2540G	02/08/2022 10:30	02/08/2022 15:20	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**2.16**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 15:30	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D	02/09/2022 07:26	02/10/2022 20:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*45.1 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*25.6 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*71.7 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.3 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*88.9 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.3 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.311**		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.0667**		ug/L	0.0556	1	EPA 8270D SIM	02/09/2022 07:26	02/14/2022 10:24	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	02/10/2022 07:43	02/11/2022 12:04	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*100 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.222	1	EPA 8081B	02/08/2022 13:21	02/09/2022 20:41	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A	02/08/2022 13:21	02/09/2022 01:12	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/10/2022 07:00	02/11/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*71.2 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.693**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.156**	B	mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**0.198**		mg/L	0.0556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	02/08/2022 14:13	02/09/2022 15:15	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/08/2022 08:55	02/08/2022 14:16	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/07/2022 18:35	02/07/2022 18:35	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB02_02072022 **York Sample ID:** 22B0289-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/07/2022 21:12	02/07/2022 22:26	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/10/2022 13:19	02/10/2022 18:45	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/08/2022 09:05	02/08/2022 17:31	JAG
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_PFAS_02072022** **York Sample ID:** **22B0289-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/09/2022 10:40	02/09/2022 19:10	WL

Sample Information

Client Sample ID: **FB01_PFAS_02072022** **York Sample ID:** **22B0289-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 12:00 pm	02/07/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	02/09/2022 10:40	02/09/2022 19:10	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*98.2 %*	*25-150*
Surrogate: M5PFHxA	*102 %*	*25-150*
Surrogate: M4PFHpA	*93.4 %*	*25-150*
Surrogate: M3PFHxS	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*105 %*	*25-150*
Surrogate: M6PFDA	*116 %*	*25-150*
Surrogate: M7PFUdA	*119 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*105 %*	*25-150*
Surrogate: M2PFTeDA	*71.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*110 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*95.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*58.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*110 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*125 %*	*25-150*
Surrogate: M2-6:2 FTS	*95.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*131 %*	*25-200*
Surrogate: M9PFNA	*122 %*	*25-150*

Sample Information

Client Sample ID: TB02_02072022 **York Sample ID:** 22B0289-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 2:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB02_02072022 **York Sample ID:** 22B0289-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 2:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB02_02072022 **York Sample ID:** 22B0289-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 2:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**2.03**		ug/L	1.00	2.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB02_02072022 **York Sample ID:** 22B0289-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0289	170610601	Water	February 7, 2022 2:00 pm	02/07/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/09/2022 06:48	02/09/2022 14:09	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Analytical Batch Summary

Batch ID: BB21536 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/07/22
BB21536-BLK1	Blank	02/07/22
BB21536-BS1	LCS	02/07/22
BB21536-DUP1	Duplicate	02/07/22
BB21536-MS1	Matrix Spike	02/07/22

Batch ID: BB21544 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/07/22
BB21544-BLK1	Blank	02/07/22
BB21544-BS1	LCS	02/07/22
BB21544-DUP1	Duplicate	02/07/22
BB21544-MS1	Matrix Spike	02/07/22

Batch ID: BB21553 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21553-BLK1	Blank	02/08/22
BB21553-BLK2	Blank	02/08/22
BB21553-BLK2	Blank	02/08/22
BB21553-BS1	LCS	02/08/22
BB21553-BS2	LCS	02/08/22
BB21553-BS2	LCS	02/08/22
BB21553-MS1	Matrix Spike	02/08/22
BB21553-MS2	Matrix Spike	02/08/22
BB21553-MSD1	Matrix Spike Dup	02/08/22
BB21553-MSD2	Matrix Spike Dup	02/08/22

Batch ID: BB21556 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/08/22
BB21556-BLK1	Blank	02/08/22
BB21556-BS1	LCS	02/08/22
BB21556-DUP1	Duplicate	02/08/22

BB21556-MS1	Matrix Spike	02/08/22

Batch ID: BB21560 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
BB21560-BLK1	Blank	02/08/22
BB21560-DUP1	Duplicate	02/08/22
BB21560-MS1	Matrix Spike	02/08/22
BB21560-SRM1	Reference	02/08/22

Batch ID: BB21561 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21561-BLK1	Blank	02/08/22
BB21561-DUP1	Duplicate	02/08/22
BB21561-MS1	Matrix Spike	02/08/22
BB21561-SRM1	Reference	02/08/22

Batch ID: BB21562 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/08/22
BB21562-BLK1	Blank	02/08/22
BB21562-BS1	LCS	02/08/22
BB21562-DUP1	Duplicate	02/08/22
BB21562-MS1	Matrix Spike	02/08/22

Batch ID: BB21568 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21568-DUP1	Duplicate	02/08/22

Batch ID: BB21569 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22

22B0289-04	EP52_7.5	02/08/22
BB21569-BLK1	Blank	02/08/22
BB21569-BS1	LCS	02/08/22
BB21569-MS1	Matrix Spike	02/08/22
BB21569-MSD1	Matrix Spike Dup	02/08/22

Batch ID: BB21581 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/08/22
22B0289-05	FB02_02072022	02/08/22
BB21581-BLK1	Blank	02/08/22
BB21581-BLK2	Blank	02/08/22
BB21581-BLK2	Blank	02/08/22
BB21581-BS1	LCS	02/08/22
BB21581-BS2	LCS	02/08/22
BB21581-BS2	LCS	02/08/22
BB21581-BSD1	LCS Dup	02/08/22
BB21581-BSD2	LCS Dup	02/08/22
BB21581-BSD2	LCS Dup	02/08/22

Batch ID: BB21582 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21582-BLK1	Blank	02/08/22
BB21582-BS1	LCS	02/08/22
BB21582-MS1	Matrix Spike	02/08/22
BB21582-MSD1	Matrix Spike Dup	02/08/22

Batch ID: BB21586 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21586-BLK1	Blank	02/08/22
BB21586-BLK2	Blank	02/08/22
BB21586-BLK3	Blank	02/08/22
BB21586-BLK4	Blank	02/08/22
BB21586-BS1	LCS	02/08/22
BB21586-BSD1	LCS Dup	02/08/22
BB21586-MS1	Matrix Spike	02/08/22
BB21586-MSD1	Matrix Spike Dup	02/08/22

Batch ID: BB21595 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/08/22
BB21595-BLK1	Blank	02/08/22
BB21595-BS1	LCS	02/08/22
BB21595-DUP1	Duplicate	02/08/22
BB21595-MS1	Matrix Spike	02/08/22
BB21595-PS1	Post Spike	02/08/22

Batch ID: BB21600 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21600-BLK1	Blank	02/08/22
BB21600-DUP1	Duplicate	02/08/22
BB21600-MS1	Matrix Spike	02/08/22
BB21600-PS1	Post Spike	02/08/22
BB21600-SRM1	Reference	02/08/22

Batch ID: BB21604 **Preparation Method:** Analysis Preparation Soil **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21604-BLK1	Blank	02/08/22
BB21604-DUP1	Duplicate	02/08/22
BB21604-MS1	Matrix Spike	02/08/22
BB21604-SRM1	Reference	02/08/22

Batch ID: BB21624 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/08/22
22B0289-02	EP15_7.5	02/08/22
22B0289-03	EP42_7.5	02/08/22
22B0289-04	EP52_7.5	02/08/22
BB21624-BLK1	Blank	02/08/22
BB21624-DUP1	Duplicate	02/08/22
BB21624-MS1	Matrix Spike	02/08/22
BB21624-SRM1	Reference	02/08/22

Batch ID: BB21625 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/09/22

BB21625-BLK1	Blank	02/09/22
BB21625-BS1	LCS	02/09/22
BB21625-BSD1	LCS Dup	02/09/22

Batch ID: BB21642 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-06	FB01_PFAS_02072022	02/09/22
BB21642-BLK1	Blank	02/09/22
BB21642-BS1	LCS	02/09/22
BB21642-BSD1	LCS Dup	02/09/22

Batch ID: BB21643 **Preparation Method:** EPA 8151A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/10/22
BB21643-BLK1	Blank	02/10/22
BB21643-BS1	LCS	02/10/22

Batch ID: BB21655 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/09/22
22B0289-02	EP15_7.5	02/09/22
22B0289-03	EP42_7.5	02/09/22
22B0289-04	EP52_7.5	02/09/22
BB21655-BLK1	Blank	02/09/22
BB21655-BS1	LCS	02/09/22
BB21655-MS1	Matrix Spike	02/09/22
BB21655-MSD1	Matrix Spike Dup	02/09/22

Batch ID: BB21656 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/09/22
22B0289-02	EP15_7.5	02/09/22
22B0289-03	EP42_7.5	02/09/22
22B0289-04	EP52_7.5	02/09/22
BB21656-BLK1	Blank	02/09/22
BB21656-BS1	LCS	02/09/22
BB21656-MS1	Matrix Spike	02/09/22
BB21656-MSD1	Matrix Spike Dup	02/09/22

Batch ID: BB21678 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/09/22
22B0289-07	TB02_02072022	02/09/22

BB21678-BLK1	Blank	02/09/22
BB21678-BS1	LCS	02/09/22
BB21678-BSD1	LCS Dup	02/09/22

Batch ID: BB21707 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/10/22
BB21707-BLK1	Blank	02/10/22
BB21707-BS1	LCS	02/10/22

Batch ID: BB21753 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-01	EP13_7.5	02/10/22
22B0289-02	EP15_7.5	02/10/22
22B0289-03	EP42_7.5	02/10/22
22B0289-04	EP52_7.5	02/10/22

Batch ID: BB21754 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-05	FB02_02072022	02/10/22

Batch ID: BB21837 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0289-03	EP42_7.5	02/11/22
BB21837-BLK1	Blank	02/11/22
BB21837-BLK2	Blank	02/11/22
BB21837-BLK3	Blank	02/11/22
BB21837-BLK4	Blank	02/11/22
BB21837-BS1	LCS	02/11/22
BB21837-BSD1	LCS Dup	02/11/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*76-130*				
Blank (BB21586-BLK2) MeOH Blank									Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK2) MeOH Blank									Prepared & Analyzed: 02/08/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK3) HB-22B0286									Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK3) HB-22B0286								Prepared & Analyzed: 02/08/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.3*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				
Blank (BB21586-BLK4) HB-22B0289								Prepared & Analyzed: 02/08/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Blank (BB21586-BLK4) HB-22B0289									Prepared & Analyzed: 02/08/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.6*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
LCS (BB21586-BS1) LCS							Prepared & Analyzed: 02/08/2022				
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0		93.5	75-129				
1,1,1-Trichloroethane	45.2		"	50.0		90.3	71-137				
1,1,2,2-Tetrachloroethane	48.8		"	50.0		97.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.2		"	50.0		94.3	58-146				
1,1,2-Trichloroethane	46.5		"	50.0		93.1	83-123				
1,1-Dichloroethane	43.3		"	50.0		86.5	75-130				
1,1-Dichloroethylene	46.5		"	50.0		93.0	64-137				
1,2,3-Trichlorobenzene	50.8		"	50.0		102	81-140				
1,2,3-Trichloropropane	49.1		"	50.0		98.3	81-126				
1,2,4-Trichlorobenzene	53.2		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	50.6		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	49.6		"	50.0		99.1	74-142				
1,2-Dibromoethane	48.6		"	50.0		97.3	86-123				
1,2-Dichlorobenzene	48.2		"	50.0		96.4	85-122				
1,2-Dichloroethane	44.4		"	50.0		88.8	71-133				
1,2-Dichloropropane	48.6		"	50.0		97.3	81-122				
1,3,5-Trimethylbenzene	50.2		"	50.0		100	82-126				
1,3-Dichlorobenzene	48.8		"	50.0		97.5	84-124				
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dioxane	1220		"	1050		116	10-228				
2-Butanone	43.8		"	50.0		87.5	58-147				
2-Hexanone	48.5		"	50.0		96.9	70-139				
4-Methyl-2-pentanone	52.0		"	50.0		104	72-132				
Acetone	22.9		"	50.0		45.9	36-155				
Acrolein	27.1		"	50.0		54.2	10-238				
Acrylonitrile	42.1		"	50.0		84.1	66-141				
Benzene	44.2		"	50.0		88.5	77-127				
Bromochloromethane	43.3		"	50.0		86.6	74-129				
Bromodichloromethane	48.1		"	50.0		96.1	81-124				
Bromoform	51.0		"	50.0		102	80-136				
Bromomethane	45.0		"	50.0		90.0	32-177				
Carbon disulfide	49.8		"	50.0		99.7	10-136				
Carbon tetrachloride	46.4		"	50.0		92.8	66-143				
Chlorobenzene	49.5		"	50.0		99.0	86-120				
Chloroethane	44.6		"	50.0		89.2	51-142				
Chloroform	44.4		"	50.0		88.8	76-131				
Chloromethane	51.0		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	45.0		"	50.0		90.0	74-132				
cis-1,3-Dichloropropylene	51.2		"	50.0		102	81-129				
Cyclohexane	38.4		"	50.0		76.8	70-130				
Dibromochloromethane	49.1		"	50.0		98.2	10-200				
Dibromomethane	46.6		"	50.0		93.2	83-124				
Dichlorodifluoromethane	43.3		"	50.0		86.7	28-158				
Ethyl Benzene	49.0		"	50.0		98.0	84-125				
Hexachlorobutadiene	49.0		"	50.0		98.1	83-133				
Isopropylbenzene	53.0		"	50.0		106	81-127				
Methyl acetate	41.2		"	50.0		82.3	41-143				
Methyl tert-butyl ether (MTBE)	47.7		"	50.0		95.4	74-131				
Methylcyclohexane	51.4		"	50.0		103	70-130				
Methylene chloride	43.7		"	50.0		87.4	57-141				
n-Butylbenzene	48.1		"	50.0		96.2	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
LCS (BB21586-BS1) LCS								Prepared & Analyzed: 02/08/2022			
n-Propylbenzene	50.0		ug/L	50.0		100	74-136				
o-Xylene	51.0		"	50.0		102	83-123				
p- & m- Xylenes	99.1		"	100		99.1	82-128				
p-Isopropyltoluene	51.0		"	50.0		102	85-125				
sec-Butylbenzene	50.0		"	50.0		100	83-125				
Styrene	49.2		"	50.0		98.4	86-126				
tert-Butyl alcohol (TBA)	172		"	250		68.7	70-130	Low Bias			
tert-Butylbenzene	44.9		"	50.0		89.8	80-127				
Tetrachloroethylene	45.7		"	50.0		91.4	80-129				
Toluene	46.5		"	50.0		92.9	85-121				
trans-1,2-Dichloroethylene	45.9		"	50.0		91.8	72-132				
trans-1,3-Dichloropropylene	50.3		"	50.0		101	78-132				
Trichloroethylene	49.0		"	50.0		98.1	84-123				
Trichlorofluoromethane	43.3		"	50.0		86.6	62-140				
Vinyl Chloride	44.8		"	50.0		89.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.2*		*"*	*50.0*		*102*	*76-130*				
LCS Dup (BB21586-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
1,1,1,2-Tetrachloroethane	47.9		ug/L	50.0		95.8	75-129		2.39	30	
1,1,1-Trichloroethane	46.5		"	50.0		92.9	71-137		2.84	30	
1,1,2,2-Tetrachloroethane	50.6		"	50.0		101	79-129		3.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.4		"	50.0		96.8	58-146		2.60	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.1	83-123		1.11	30	
1,1-Dichloroethane	45.2		"	50.0		90.5	75-130		4.47	30	
1,1-Dichloroethylene	47.8		"	50.0		95.6	64-137		2.71	30	
1,2,3-Trichlorobenzene	52.0		"	50.0		104	81-140		2.24	30	
1,2,3-Trichloropropane	50.2		"	50.0		100	81-126		2.03	30	
1,2,4-Trichlorobenzene	54.2		"	50.0		108	80-141		1.86	30	
1,2,4-Trimethylbenzene	51.7		"	50.0		103	84-125		2.11	30	
1,2-Dibromo-3-chloropropane	51.5		"	50.0		103	74-142		3.78	30	
1,2-Dibromoethane	49.4		"	50.0		98.9	86-123		1.63	30	
1,2-Dichlorobenzene	49.0		"	50.0		97.9	85-122		1.50	30	
1,2-Dichloroethane	45.5		"	50.0		90.9	71-133		2.36	30	
1,2-Dichloropropane	49.8		"	50.0		99.7	81-122		2.42	30	
1,3,5-Trimethylbenzene	50.7		"	50.0		101	82-126		1.09	30	
1,3-Dichlorobenzene	50.1		"	50.0		100	84-124		2.75	30	
1,4-Dichlorobenzene	50.4		"	50.0		101	84-124		1.30	30	
1,4-Dioxane	1330		"	1050		127	10-228		8.55	30	
2-Butanone	45.6		"	50.0		91.2	58-147		4.12	30	
2-Hexanone	51.3		"	50.0		103	70-139		5.63	30	
4-Methyl-2-pentanone	54.8		"	50.0		110	72-132		5.30	30	
Acetone	24.5		"	50.0		48.9	36-155		6.41	30	
Acrolein	26.3		"	50.0		52.6	10-238		2.85	30	
Acrylonitrile	44.2		"	50.0		88.5	66-141		5.07	30	
Benzene	45.8		"	50.0		91.5	77-127		3.36	30	
Bromochloromethane	44.2		"	50.0		88.3	74-129		2.01	30	
Bromodichloromethane	48.7		"	50.0		97.4	81-124		1.36	30	
Bromoform	52.5		"	50.0		105	80-136		2.90	30	
Bromomethane	46.0		"	50.0		91.9	32-177		2.04	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
LCS Dup (BB21586-BSD1) LCS Dup								Prepared & Analyzed: 02/08/2022			
Carbon disulfide	51.0		ug/L	50.0		102	10-136		2.32	30	
Carbon tetrachloride	47.4		"	50.0		94.7	66-143		1.98	30	
Chlorobenzene	50.2		"	50.0		100	86-120		1.50	30	
Chloroethane	45.1		"	50.0		90.2	51-142		1.14	30	
Chloroform	45.5		"	50.0		91.0	76-131		2.42	30	
Chloromethane	50.0		"	50.0		100	49-132		1.96	30	
cis-1,2-Dichloroethylene	46.3		"	50.0		92.7	74-132		2.93	30	
cis-1,3-Dichloropropylene	51.8		"	50.0		104	81-129		1.22	30	
Cyclohexane	39.6		"	50.0		79.2	70-130		3.10	30	
Dibromochloromethane	49.3		"	50.0		98.6	10-200		0.488	30	
Dibromomethane	47.5		"	50.0		95.0	83-124		1.87	30	
Dichlorodifluoromethane	44.6		"	50.0		89.2	28-158		2.87	30	
Ethyl Benzene	49.9		"	50.0		99.8	84-125		1.86	30	
Hexachlorobutadiene	50.0		"	50.0		100	83-133		2.02	30	
Isopropylbenzene	54.7		"	50.0		109	81-127		3.23	30	
Methyl acetate	43.5		"	50.0		86.9	41-143		5.41	30	
Methyl tert-butyl ether (MTBE)	49.2		"	50.0		98.5	74-131		3.14	30	
Methylcyclohexane	52.5		"	50.0		105	70-130		2.08	30	
Methylene chloride	44.7		"	50.0		89.3	57-141		2.15	30	
n-Butylbenzene	49.4		"	50.0		98.8	80-130		2.60	30	
n-Propylbenzene	51.3		"	50.0		103	74-136		2.64	30	
o-Xylene	52.1		"	50.0		104	83-123		2.13	30	
p- & m- Xylenes	101		"	100		101	82-128		1.57	30	
p-Isopropyltoluene	51.8		"	50.0		104	85-125		1.36	30	
sec-Butylbenzene	51.6		"	50.0		103	83-125		3.01	30	
Styrene	50.2		"	50.0		100	86-126		2.01	30	
tert-Butyl alcohol (TBA)	192		"	250		76.8	70-130		11.1	30	
tert-Butylbenzene	45.9		"	50.0		91.8	80-127		2.20	30	
Tetrachloroethylene	47.1		"	50.0		94.3	80-129		3.04	30	
Toluene	47.6		"	50.0		95.3	85-121		2.51	30	
trans-1,2-Dichloroethylene	47.4		"	50.0		94.7	72-132		3.09	30	
trans-1,3-Dichloropropylene	51.4		"	50.0		103	78-132		2.28	30	
Trichloroethylene	50.8		"	50.0		102	84-123		3.60	30	
Trichlorofluoromethane	44.1		"	50.0		88.2	62-140		1.83	30	
Vinyl Chloride	46.1		"	50.0		92.2	52-130		2.77	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21586 - EPA 5035A

Matrix Spike (BB21586-MS1) Matrix Spike *Source sample: 22B0289-01 (EP13_7.5) Prepared & Analyzed: 02/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	41.6		ug/L	50.0	0.00	83.1	15-161				
1,1,1-Trichloroethane	38.0		"	50.0	0.00	75.9	42-145				
1,1,2,2-Tetrachloroethane	49.1		"	50.0	0.00	98.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	36.8		"	50.0	0.00	73.6	11-160				
1,1,2-Trichloroethane	43.5		"	50.0	0.00	87.0	44-145				
1,1-Dichloroethane	37.2		"	50.0	0.00	74.4	46-142				
1,1-Dichloroethylene	36.3		"	50.0	0.00	72.7	30-153				
1,2,3-Trichlorobenzene	30.5		"	50.0	0.00	61.0	10-157				
1,2,3-Trichloropropane	49.6		"	50.0	0.00	99.1	38-155				
1,2,4-Trichlorobenzene	31.9		"	50.0	0.00	63.9	10-151				
1,2,4-Trimethylbenzene	42.0		"	50.0	0.00	84.0	10-170				
1,2-Dibromo-3-chloropropane	47.1		"	50.0	0.00	94.1	36-138				
1,2-Dibromoethane	43.0		"	50.0	0.00	85.9	40-142				
1,2-Dichlorobenzene	38.9		"	50.0	0.00	77.8	10-147				
1,2-Dichloroethane	41.0		"	50.0	0.00	81.9	48-133				
1,2-Dichloropropane	43.7		"	50.0	0.00	87.3	47-141				
1,3,5-Trimethylbenzene	42.0		"	50.0	0.00	83.9	10-150				
1,3-Dichlorobenzene	36.8		"	50.0	0.00	73.6	10-144				
1,4-Dichlorobenzene	36.1		"	50.0	0.00	72.2	10-160				
1,4-Dioxane	1540		"	1050	0.00	146	10-191				
2-Butanone	41.6		"	50.0	0.00	83.3	10-189				
2-Hexanone	46.4		"	50.0	0.00	92.8	10-181				
4-Methyl-2-pentanone	52.6		"	50.0	0.00	105	10-166				
Acetone	23.6		"	50.0	3.60	40.0	10-196				
Acrolein	4.05		"	50.0	0.00	8.10	10-192	Low Bias			
Acrylonitrile	41.1		"	50.0	0.00	82.1	13-161				
Benzene	37.3		"	50.0	0.00	74.5	43-139				
Bromochloromethane	38.6		"	50.0	0.00	77.3	38-145				
Bromodichloromethane	42.3		"	50.0	0.00	84.5	38-147				
Bromoform	46.8		"	50.0	0.00	93.6	29-156				
Bromomethane	33.8		"	50.0	0.00	67.7	10-166				
Carbon disulfide	33.4		"	50.0	0.00	66.9	10-131				
Carbon tetrachloride	37.4		"	50.0	0.00	74.7	35-145				
Chlorobenzene	38.6		"	50.0	0.00	77.3	21-154				
Chloroethane	36.0		"	50.0	0.00	72.0	15-160				
Chloroform	38.7		"	50.0	0.00	77.5	47-142				
Chloromethane	38.8		"	50.0	0.00	77.5	10-159				
cis-1,2-Dichloroethylene	36.6		"	50.0	0.00	73.1	42-144				
cis-1,3-Dichloropropylene	41.3		"	50.0	0.00	82.7	18-159				
Cyclohexane	30.6		"	50.0	0.00	61.1	70-130	Low Bias			
Dibromochloromethane	43.5		"	50.0	0.00	86.9	10-179				
Dibromomethane	41.2		"	50.0	0.00	82.5	47-143				
Dichlorodifluoromethane	32.7		"	50.0	0.00	65.4	10-145				
Ethyl Benzene	38.9		"	50.0	0.00	77.7	11-158				
Hexachlorobutadiene	29.5		"	50.0	0.00	58.9	10-158				
Isopropylbenzene	47.6		"	50.0	0.00	95.2	10-162				
Methyl acetate	46.7		"	50.0	0.00	93.4	10-149				
Methyl tert-butyl ether (MTBE)	47.9		"	50.0	0.00	95.8	42-152				
Methylcyclohexane	39.4		"	50.0	0.00	78.7	70-130				
Methylene chloride	43.7		"	50.0	6.37	74.6	28-151				
n-Butylbenzene	35.5		"	50.0	0.00	71.0	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Matrix Spike (BB21586-MS1) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
n-Propylbenzene	40.9		ug/L	50.0	0.00	81.7	10-155				
o-Xylene	43.3		"	50.0	0.00	86.6	10-158				
p- & m- Xylenes	77.2		"	100	0.00	77.2	10-156				
p-Isopropyltoluene	41.0		"	50.0	0.00	82.1	10-147				
sec-Butylbenzene	41.8		"	50.0	0.00	83.6	10-157				
Styrene	36.7		"	50.0	0.00	73.5	13-171				
tert-Butyl alcohol (TBA)	201		"	250	0.00	80.5	34-179				
tert-Butylbenzene	39.0		"	50.0	0.00	78.0	10-160				
Tetrachloroethylene	35.2		"	50.0	0.00	70.3	30-167				
Toluene	37.7		"	50.0	0.00	75.5	21-160				
trans-1,2-Dichloroethylene	34.3		"	50.0	0.00	68.6	29-153				
trans-1,3-Dichloropropylene	39.1		"	50.0	0.00	78.2	18-155				
Trichloroethylene	37.7		"	50.0	0.00	75.5	24-169				
Trichlorofluoromethane	33.4		"	50.0	0.00	66.9	35-142				
Vinyl Chloride	33.8		"	50.0	0.00	67.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.3*		*"*	*50.0*		*109*	*76-130*				
Matrix Spike Dup (BB21586-M Matrix Spike Dup	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
1,1,1,2-Tetrachloroethane	42.9		ug/L	50.0	0.00	85.7	15-161		3.10	33	
1,1,1-Trichloroethane	38.8		"	50.0	0.00	77.7	42-145		2.27	30	
1,1,2,2-Tetrachloroethane	49.6		"	50.0	0.00	99.2	16-167		0.952	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.3		"	50.0	0.00	76.6	11-160		3.97	31	
1,1,2-Trichloroethane	43.1		"	50.0	0.00	86.1	44-145		1.04	40	
1,1-Dichloroethane	38.2		"	50.0	0.00	76.3	46-142		2.52	36	
1,1-Dichloroethylene	37.4		"	50.0	0.00	74.8	30-153		2.85	31	
1,2,3-Trichlorobenzene	29.7		"	50.0	0.00	59.4	10-157		2.69	47	
1,2,3-Trichloropropane	50.5		"	50.0	0.00	101	38-155		1.78	48	
1,2,4-Trichlorobenzene	31.3		"	50.0	0.00	62.6	10-151		2.02	52	
1,2,4-Trimethylbenzene	45.7		"	50.0	0.00	91.4	10-170		8.35	242	
1,2-Dibromo-3-chloropropane	48.4		"	50.0	0.00	96.9	36-138		2.87	54	
1,2-Dibromoethane	41.4		"	50.0	0.00	82.8	40-142		3.72	39	
1,2-Dichlorobenzene	40.7		"	50.0	0.00	81.3	10-147		4.48	52	
1,2-Dichloroethane	40.0		"	50.0	0.00	79.9	48-133		2.47	32	
1,2-Dichloropropane	44.1		"	50.0	0.00	88.2	47-141		0.980	37	
1,3,5-Trimethylbenzene	46.3		"	50.0	0.00	92.6	10-150		9.83	62	
1,3-Dichlorobenzene	39.2		"	50.0	0.00	78.4	10-144		6.29	51	
1,4-Dichlorobenzene	38.1		"	50.0	0.00	76.3	10-160		5.55	52	
1,4-Dioxane	1370		"	1050	0.00	130	10-191		11.6	196	
2-Butanone	40.0		"	50.0	0.00	80.0	10-189		3.99	67	
2-Hexanone	46.4		"	50.0	0.00	92.8	10-181		0.0862	60	
4-Methyl-2-pentanone	51.2		"	50.0	0.00	102	10-166		2.54	47	
Acetone	22.9		"	50.0	3.60	38.6	10-196		3.01	150	
Acrolein	6.73		"	50.0	0.00	13.5	10-192		49.7	128	
Acrylonitrile	36.9		"	50.0	0.00	73.7	13-161		10.8	48	
Benzene	38.1		"	50.0	0.00	76.3	43-139		2.31	64	
Bromochloromethane	36.9		"	50.0	0.00	73.8	38-145		4.58	30	
Bromodichloromethane	43.0		"	50.0	0.00	86.1	38-147		1.81	37	
Bromoform	44.6		"	50.0	0.00	89.3	29-156		4.72	51	
Bromomethane	33.9		"	50.0	0.00	67.8	10-166		0.177	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21586 - EPA 5035A											
Matrix Spike Dup (BB21586-M Matrix Spike Dup *Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022			
Carbon disulfide	33.6		ug/L	50.0	0.00	67.1	10-131		0.328	36	
Carbon tetrachloride	39.0		"	50.0	0.00	78.0	35-145		4.30	31	
Chlorobenzene	39.9		"	50.0	0.00	79.8	21-154		3.18	32	
Chloroethane	36.2		"	50.0	0.00	72.3	15-160		0.471	40	
Chloroform	39.0		"	50.0	0.00	78.0	47-142		0.720	29	
Chloromethane	40.3		"	50.0	0.00	80.6	10-159		3.92	31	
cis-1,2-Dichloroethylene	36.1		"	50.0	0.00	72.1	42-144		1.40	30	
cis-1,3-Dichloropropylene	40.5		"	50.0	0.00	80.9	18-159		2.13	39	
Cyclohexane	31.8		"	50.0	0.00	63.6	70-130	Low Bias	4.01	30	
Dibromochloromethane	43.4		"	50.0	0.00	86.8	10-179		0.184	41	
Dibromomethane	40.0		"	50.0	0.00	80.1	47-143		2.95	41	
Dichlorodifluoromethane	33.4		"	50.0	0.00	66.9	10-145		2.24	34	
Ethyl Benzene	40.6		"	50.0	0.00	81.2	11-158		4.40	42	
Hexachlorobutadiene	30.3		"	50.0	0.00	60.6	10-158		2.78	45	
Isopropylbenzene	50.5		"	50.0	0.00	101	10-162		5.81	57	
Methyl acetate	46.4		"	50.0	0.00	92.9	10-149		0.558	64	
Methyl tert-butyl ether (MTBE)	46.5		"	50.0	0.00	93.1	42-152		2.88	47	
Methylcyclohexane	41.5		"	50.0	0.00	82.9	70-130		5.20	30	
Methylene chloride	41.5		"	50.0	6.37	70.3	28-151		5.09	49	
n-Butylbenzene	37.2		"	50.0	0.00	74.5	10-162		4.75	96	
n-Propylbenzene	44.2		"	50.0	0.00	88.4	10-155		7.81	56	
o-Xylene	43.5		"	50.0	0.00	87.0	10-158		0.392	51	
p- & m- Xylenes	81.0		"	100	0.00	81.0	10-156		4.81	47	
p-Isopropyltoluene	45.3		"	50.0	0.00	90.6	10-147		9.82	60	
sec-Butylbenzene	45.5		"	50.0	0.00	91.0	10-157		8.47	56	
Styrene	36.9		"	50.0	0.00	73.7	13-171		0.380	39	
tert-Butyl alcohol (TBA)	184		"	250	0.00	73.7	34-179		8.81	35	
tert-Butylbenzene	42.3		"	50.0	0.00	84.5	10-160		8.02	79	
Tetrachloroethylene	36.9		"	50.0	0.00	73.8	30-167		4.80	33	
Toluene	38.7		"	50.0	0.00	77.5	21-160		2.62	50	
trans-1,2-Dichloroethylene	33.5		"	50.0	0.00	67.1	29-153		2.30	30	
trans-1,3-Dichloropropylene	37.3		"	50.0	0.00	74.6	18-155		4.74	30	
Trichloroethylene	38.9		"	50.0	0.00	77.7	24-169		2.95	30	
Trichlorofluoromethane	34.1		"	50.0	0.00	68.2	35-142		1.92	30	
Vinyl Chloride	35.0		"	50.0	0.00	70.1	12-160		3.45	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.7*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.2*		*"*	*50.0*		*110*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21678 - EPA 5030B											
Blank (BB21678-BLK1) Blank								Prepared & Analyzed: 02/09/2022			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
LCS (BB21678-BS1) LCS								Prepared & Analyzed: 02/09/2022			
1,1,1,2-Tetrachloroethane	8.78		ug/L	10.0		87.8	82-126				
1,1,1-Trichloroethane	9.14		"	10.0		91.4	78-136				
1,1,2,2-Tetrachloroethane	9.46		"	10.0		94.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	8.78		"	10.0		87.8	82-123				
1,1-Dichloroethane	9.78		"	10.0		97.8	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	7.23		"	10.0		72.3	76-136	Low Bias			
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4-Trichlorobenzene	7.57		"	10.0		75.7	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.83		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	7.29		"	10.0		72.9	45-147				
1,2-Dibromoethane	8.77		"	10.0		87.7	83-124				
1,2-Dichlorobenzene	9.36		"	10.0		93.6	79-123				
1,2-Dichloroethane	9.58		"	10.0		95.8	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	9.95		"	10.0		99.5	80-131				
1,3-Dichlorobenzene	8.84		"	10.0		88.4	86-122				
1,4-Dichlorobenzene	9.06		"	10.0		90.6	85-124				
1,4-Dioxane	227		"	210		108	10-349				
2-Butanone	9.40		"	10.0		94.0	49-152				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145				
Acetone	9.41		"	10.0		94.1	14-150				
Acrolein	5.22		"	10.0		52.2	10-153				
Acrylonitrile	9.64		"	10.0		96.4	51-150				
Benzene	9.73		"	10.0		97.3	85-126				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.19		"	10.0		91.9	79-128				
Bromoform	7.57		"	10.0		75.7	78-133	Low Bias			

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21678 - EPA 5030B											
LCS (BB21678-BS1) LCS							Prepared & Analyzed: 02/09/2022				
Bromomethane	3.19		ug/L	10.0		31.9	43-168	Low Bias			
Carbon disulfide	10.2		"	10.0		102	68-146				
Carbon tetrachloride	9.22		"	10.0		92.2	77-141				
Chlorobenzene	9.80		"	10.0		98.0	88-120				
Chloroethane	10.4		"	10.0		104	65-136				
Chloroform	9.44		"	10.0		94.4	82-128				
Chloromethane	10.0		"	10.0		100	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	9.31		"	10.0		93.1	80-131				
Cyclohexane	8.15		"	10.0		81.5	63-149				
Dibromochloromethane	8.12		"	10.0		81.2	80-130				
Dibromomethane	8.97		"	10.0		89.7	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.73		"	10.0		97.3	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl acetate	9.33		"	10.0		93.3	51-139				
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	76-135				
Methylcyclohexane	10.8		"	10.0		108	72-143				
Methylene chloride	9.72		"	10.0		97.2	55-137				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Isopropyltoluene	9.91		"	10.0		99.1	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	9.76		"	10.0		97.6	67-132				
tert-Butyl alcohol (TBA)	38.7		"	50.0		77.4	25-162				
tert-Butylbenzene	7.97		"	10.0		79.7	77-138				
Tetrachloroethylene	8.48		"	10.0		84.8	82-131				
Toluene	9.92		"	10.0		99.2	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.04		"	10.0		90.4	78-131				
Trichloroethylene	9.41		"	10.0		94.1	82-128				
Trichlorofluoromethane	11.2		"	10.0		112	67-139				
Vinyl Chloride	12.8		"	10.0		128	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21678 - EPA 5030B

LCS Dup (BB21678-BSD1) LCS Dup — Prepared & Analyzed: 02/09/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	8.71		ug/L	10.0		87.1	82-126		0.800	30	
1,1,1-Trichloroethane	8.90		"	10.0		89.0	78-136		2.66	30	
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129		3.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		3.13	30	
1,1,2-Trichloroethane	9.06		"	10.0		90.6	82-123		3.14	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	82-129		2.07	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		4.53	30	
1,2,3-Trichlorobenzene	7.53		"	10.0		75.3	76-136	Low Bias	4.07	30	
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128		3.96	30	
1,2,4-Trichlorobenzene	7.73		"	10.0		77.3	76-137		2.09	30	
1,2,4-Trimethylbenzene	9.33		"	10.0		93.3	82-132		5.22	30	
1,2-Dibromo-3-chloropropane	7.69		"	10.0		76.9	45-147		5.34	30	
1,2-Dibromoethane	9.16		"	10.0		91.6	83-124		4.35	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		2.49	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		1.35	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		0.474	30	
1,3,5-Trimethylbenzene	9.49		"	10.0		94.9	80-131		4.73	30	
1,3-Dichlorobenzene	8.45		"	10.0		84.5	86-122	Low Bias	4.51	30	
1,4-Dichlorobenzene	8.71		"	10.0		87.1	85-124		3.94	30	
1,4-Dioxane	239		"	210		114	10-349		5.20	30	
2-Butanone	10.1		"	10.0		101	49-152		7.48	30	
2-Hexanone	11.0		"	10.0		110	51-146		8.70	30	
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145		8.85	30	
Acetone	9.91		"	10.0		99.1	14-150		5.18	30	
Acrolein	5.54		"	10.0		55.4	10-153		5.95	30	
Acrylonitrile	9.76		"	10.0		97.6	51-150		1.24	30	
Benzene	9.53		"	10.0		95.3	85-126		2.08	30	
Bromochloromethane	10.0		"	10.0		100	77-128		0.498	30	
Bromodichloromethane	9.21		"	10.0		92.1	79-128		0.217	30	
Bromoform	8.00		"	10.0		80.0	78-133		5.52	30	
Bromomethane	2.82		"	10.0		28.2	43-168	Low Bias	12.3	30	
Carbon disulfide	9.58		"	10.0		95.8	68-146		5.97	30	
Carbon tetrachloride	8.98		"	10.0		89.8	77-141		2.64	30	
Chlorobenzene	9.63		"	10.0		96.3	88-120		1.75	30	
Chloroethane	9.71		"	10.0		97.1	65-136		6.57	30	
Chloroform	9.23		"	10.0		92.3	82-128		2.25	30	
Chloromethane	8.75		"	10.0		87.5	43-155		13.4	30	
cis-1,2-Dichloroethylene	9.64		"	10.0		96.4	83-129		2.15	30	
cis-1,3-Dichloropropylene	9.34		"	10.0		93.4	80-131		0.322	30	
Cyclohexane	8.00		"	10.0		80.0	63-149		1.86	30	
Dibromochloromethane	8.38		"	10.0		83.8	80-130		3.15	30	
Dibromomethane	9.27		"	10.0		92.7	72-134		3.29	30	
Dichlorodifluoromethane	10.5		"	10.0		105	44-144		10.1	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		2.11	30	
Hexachlorobutadiene	9.98		"	10.0		99.8	67-146		2.54	30	
Isopropylbenzene	9.99		"	10.0		99.9	76-140		5.17	30	
Methyl acetate	10.0		"	10.0		100	51-139		6.93	30	
Methyl tert-butyl ether (MTBE)	9.33		"	10.0		93.3	76-135		3.16	30	
Methylcyclohexane	10.7		"	10.0		107	72-143		0.745	30	
Methylene chloride	9.50		"	10.0		95.0	55-137		2.29	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		3.74	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21678 - EPA 5030B											
LCS Dup (BB21678-BSD1) LCS Dup								Prepared & Analyzed: 02/09/2022			
n-Propylbenzene	10.3		ug/L	10.0		103	78-133		5.31	30	
o-Xylene	10.1		"	10.0		101	78-130		1.77	30	
p- & m- Xylenes	17.6		"	20.0		88.0	77-133		2.30	30	
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136		4.65	30	
sec-Butylbenzene	9.75		"	10.0		97.5	79-137		5.29	30	
Styrene	9.65		"	10.0		96.5	67-132		1.13	30	
tert-Butyl alcohol (TBA)	43.1		"	50.0		86.3	25-162		10.8	30	
tert-Butylbenzene	7.57		"	10.0		75.7	77-138	Low Bias	5.15	30	
Tetrachloroethylene	8.36		"	10.0		83.6	82-131		1.43	30	
Toluene	9.78		"	10.0		97.8	80-127		1.42	30	
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	80-132		3.72	30	
trans-1,3-Dichloropropylene	9.31		"	10.0		93.1	78-131		2.94	30	
Trichloroethylene	9.21		"	10.0		92.1	82-128		2.15	30	
Trichlorofluoromethane	10.5		"	10.0		105	67-139		7.09	30	
Vinyl Chloride	8.63		"	10.0		86.3	58-145		39.2	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK1) Blank								Prepared & Analyzed: 02/11/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK1) Blank									Prepared & Analyzed: 02/11/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.5*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.8*		*"*	*50.0*		*106*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK2) MeOH Blank									Prepared & Analyzed: 02/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK2) MeOH Blank								Prepared & Analyzed: 02/11/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.6*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				
Blank (BB21837-BLK3) HB-22B0234								Prepared & Analyzed: 02/11/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK3) HB-22B0234									Prepared & Analyzed: 02/11/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.7*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.7*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK4) HB-22B0485									Prepared & Analyzed: 02/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
Blank (BB21837-BLK4) HB-22B0485								Prepared & Analyzed: 02/11/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				
LCS (BB21837-BS1) LCS								Prepared & Analyzed: 02/11/2022			
1,1,1,2-Tetrachloroethane	46.9		ug/L	50.0		93.8	75-129				
1,1,1-Trichloroethane	48.1		"	50.0		96.3	71-137				
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.7	58-146				
1,1,2-Trichloroethane	46.6		"	50.0		93.2	83-123				
1,1-Dichloroethane	48.1		"	50.0		96.2	75-130				
1,1-Dichloroethylene	53.1		"	50.0		106	64-137				
1,2,3-Trichlorobenzene	42.8		"	50.0		85.7	81-140				
1,2,3-Trichloropropane	42.5		"	50.0		85.0	81-126				
1,2,4-Trichlorobenzene	43.2		"	50.0		86.5	80-141				
1,2,4-Trimethylbenzene	45.8		"	50.0		91.7	84-125				
1,2-Dibromo-3-chloropropane	46.8		"	50.0		93.5	74-142				
1,2-Dibromoethane	46.1		"	50.0		92.2	86-123				
1,2-Dichlorobenzene	49.0		"	50.0		98.1	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	51.6		"	50.0		103	81-122				
1,3,5-Trimethylbenzene	47.7		"	50.0		95.3	82-126				
1,3-Dichlorobenzene	43.5		"	50.0		86.9	84-124				
1,4-Dichlorobenzene	44.5		"	50.0		88.9	84-124				
1,4-Dioxane	1130		"	1050		107	10-228				
2-Butanone	43.2		"	50.0		86.3	58-147				
2-Hexanone	48.8		"	50.0		97.6	70-139				
4-Methyl-2-pentanone	38.2		"	50.0		76.4	72-132				
Acetone	41.6		"	50.0		83.2	36-155				
Acrolein	28.3		"	50.0		56.7	10-238				
Acrylonitrile	50.2		"	50.0		100	66-141				
Benzene	48.1		"	50.0		96.2	77-127				
Bromochloromethane	53.6		"	50.0		107	74-129				
Bromodichloromethane	50.2		"	50.0		100	81-124				
Bromoform	50.3		"	50.0		101	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
LCS (BB21837-BS1) LCS								Prepared & Analyzed: 02/11/2022			
Bromomethane	96.2		ug/L	50.0		192	32-177	High Bias			
Carbon disulfide	51.4		"	50.0		103	10-136				
Carbon tetrachloride	51.7		"	50.0		103	66-143				
Chlorobenzene	50.1		"	50.0		100	86-120				
Chloroethane	97.8		"	50.0		196	51-142	High Bias			
Chloroform	49.3		"	50.0		98.6	76-131				
Chloromethane	60.8		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	50.4		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	49.0		"	50.0		98.1	81-129				
Cyclohexane	48.3		"	50.0		96.5	70-130				
Dibromochloromethane	47.7		"	50.0		95.4	10-200				
Dibromomethane	49.5		"	50.0		99.0	83-124				
Dichlorodifluoromethane	55.2		"	50.0		110	28-158				
Ethyl Benzene	49.0		"	50.0		98.0	84-125				
Hexachlorobutadiene	42.7		"	50.0		85.4	83-133				
Isopropylbenzene	46.6		"	50.0		93.2	81-127				
Methyl acetate	44.6		"	50.0		89.2	41-143				
Methyl tert-butyl ether (MTBE)	47.2		"	50.0		94.4	74-131				
Methylcyclohexane	45.6		"	50.0		91.3	70-130				
Methylene chloride	52.0		"	50.0		104	57-141				
n-Butylbenzene	51.1		"	50.0		102	80-130				
n-Propylbenzene	52.0		"	50.0		104	74-136				
o-Xylene	52.0		"	50.0		104	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	46.9		"	50.0		93.8	85-125				
sec-Butylbenzene	45.3		"	50.0		90.6	83-125				
Styrene	49.3		"	50.0		98.7	86-126				
tert-Butyl alcohol (TBA)	246		"	250		98.6	70-130				
tert-Butylbenzene	38.8		"	50.0		77.7	80-127	Low Bias			
Tetrachloroethylene	43.8		"	50.0		87.5	80-129				
Toluene	48.6		"	50.0		97.1	85-121				
trans-1,2-Dichloroethylene	51.6		"	50.0		103	72-132				
trans-1,3-Dichloropropylene	47.6		"	50.0		95.3	78-132				
Trichloroethylene	48.1		"	50.0		96.3	84-123				
Trichlorofluoromethane	93.7		"	50.0		187	62-140	High Bias			
Vinyl Chloride	64.5		"	50.0		129	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.1*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.4*		*"*	*50.0*		*90.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21837 - EPA 5035A

LCS Dup (BB21837-BSD1) LCS Dup — Prepared & Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	47.2		ug/L	50.0		94.4	75-129		0.701	30	
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137		1.59	30	
1,1,2,2-Tetrachloroethane	46.4		"	50.0		92.7	79-129		3.51	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146		1.91	30	
1,1,2-Trichloroethane	45.4		"	50.0		90.8	83-123		2.57	30	
1,1-Dichloroethane	47.4		"	50.0		94.9	75-130		1.42	30	
1,1-Dichloroethylene	53.0		"	50.0		106	64-137		0.0754	30	
1,2,3-Trichlorobenzene	43.2		"	50.0		86.4	81-140		0.860	30	
1,2,3-Trichloropropane	45.2		"	50.0		90.3	81-126		6.11	30	
1,2,4-Trichlorobenzene	44.3		"	50.0		88.6	80-141		2.42	30	
1,2,4-Trimethylbenzene	46.8		"	50.0		93.6	84-125		2.09	30	
1,2-Dibromo-3-chloropropane	47.0		"	50.0		94.0	74-142		0.533	30	
1,2-Dibromoethane	45.5		"	50.0		91.0	86-123		1.29	30	
1,2-Dichlorobenzene	48.6		"	50.0		97.3	85-122		0.839	30	
1,2-Dichloroethane	50.7		"	50.0		101	71-133		0.492	30	
1,2-Dichloropropane	50.6		"	50.0		101	81-122		2.09	30	
1,3,5-Trimethylbenzene	48.3		"	50.0		96.6	82-126		1.35	30	
1,3-Dichlorobenzene	44.5		"	50.0		89.0	84-124		2.34	30	
1,4-Dichlorobenzene	45.1		"	50.0		90.2	84-124		1.36	30	
1,4-Dioxane	1110		"	1050		105	10-228		1.83	30	
2-Butanone	42.1		"	50.0		84.1	58-147		2.56	30	
2-Hexanone	49.1		"	50.0		98.2	70-139		0.572	30	
4-Methyl-2-pentanone	38.5		"	50.0		77.1	72-132		0.834	30	
Acetone	43.7		"	50.0		87.5	36-155		5.04	30	
Acrolein	28.3		"	50.0		56.6	10-238		0.141	30	
Acrylonitrile	50.0		"	50.0		99.9	66-141		0.499	30	
Benzene	48.8		"	50.0		97.5	77-127		1.38	30	
Bromochloromethane	53.3		"	50.0		107	74-129		0.449	30	
Bromodichloromethane	50.3		"	50.0		101	81-124		0.159	30	
Bromoform	49.8		"	50.0		99.7	80-136		0.899	30	
Bromomethane	96.3		"	50.0		193	32-177	High Bias	0.0935	30	
Carbon disulfide	52.6		"	50.0		105	10-136		2.27	30	
Carbon tetrachloride	50.8		"	50.0		102	66-143		1.81	30	
Chlorobenzene	49.8		"	50.0		99.7	86-120		0.480	30	
Chloroethane	95.7		"	50.0		191	51-142	High Bias	2.16	30	
Chloroform	50.3		"	50.0		101	76-131		1.93	30	
Chloromethane	59.2		"	50.0		118	49-132		2.83	30	
cis-1,2-Dichloroethylene	50.0		"	50.0		100	74-132		0.777	30	
cis-1,3-Dichloropropylene	48.5		"	50.0		97.1	81-129		1.03	30	
Cyclohexane	47.3		"	50.0		94.6	70-130		2.07	30	
Dibromochloromethane	48.6		"	50.0		97.1	10-200		1.83	30	
Dibromomethane	49.1		"	50.0		98.1	83-124		0.852	30	
Dichlorodifluoromethane	54.5		"	50.0		109	28-158		1.31	30	
Ethyl Benzene	49.7		"	50.0		99.5	84-125		1.52	30	
Hexachlorobutadiene	43.8		"	50.0		87.5	83-133		2.43	30	
Isopropylbenzene	47.8		"	50.0		95.5	81-127		2.50	30	
Methyl acetate	44.6		"	50.0		89.2	41-143		0.0673	30	
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.7	74-131		1.77	30	
Methylcyclohexane	46.6		"	50.0		93.2	70-130		2.08	30	
Methylene chloride	53.9		"	50.0		108	57-141		3.59	30	
n-Butylbenzene	51.4		"	50.0		103	80-130		0.741	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21837 - EPA 5035A											
LCS Dup (BB21837-BSD1) LCS Dup								Prepared & Analyzed: 02/11/2022			
n-Propylbenzene	53.2		ug/L	50.0		106	74-136		2.19	30	
o-Xylene	51.9		"	50.0		104	83-123		0.173	30	
p- & m- Xylenes	106		"	100		106	82-128		0.743	30	
p-Isopropyltoluene	47.7		"	50.0		95.5	85-125		1.75	30	
sec-Butylbenzene	46.4		"	50.0		92.9	83-125		2.46	30	
Styrene	49.8		"	50.0		99.6	86-126		0.968	30	
tert-Butyl alcohol (TBA)	257		"	250		103	70-130		4.12	30	
tert-Butylbenzene	40.3		"	50.0		80.6	80-127		3.74	30	
Tetrachloroethylene	43.9		"	50.0		87.9	80-129		0.410	30	
Toluene	48.8		"	50.0		97.5	85-121		0.411	30	
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132		0.387	30	
trans-1,3-Dichloropropylene	48.1		"	50.0		96.3	78-132		1.07	30	
Trichloroethylene	47.8		"	50.0		95.6	84-123		0.667	30	
Trichlorofluoromethane	91.7		"	50.0		183	62-140	High Bias	2.21	30	
Vinyl Chloride	65.0		"	50.0		130	52-130		0.850	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.7*		*"*	*50.0*		*91.3*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21625 - EPA 3510C											
Blank (BB21625-BLK1) Blank									Prepared: 02/09/2022 Analyzed: 02/10/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21625 - EPA 3510C											
Blank (BB21625-BLK1) Blank								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Surrogate: SURR: 2-Fluorophenol	*14.4*		*ug/L*	*50.0*		*28.9*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.79*		*"*	*50.0*		*15.6*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.8*		*"*	*25.0*		*55.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.6*		*"*	*25.0*		*66.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*42.3*		*"*	*50.0*		*84.5*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.6*		*"*	*25.0*		*74.5*	*30.7-106*				
LCS (BB21625-BS1) LCS								Prepared: 02/09/2022 Analyzed: 02/10/2022			
1,1-Biphenyl	14.4	5.00	ug/L	25.0		57.4	33-95				
1,2,4,5-Tetrachlorobenzene	17.3	5.00	"	25.0		69.0	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	10.2	5.00	"	25.0		41.0	16-141				
2,3,4,6-Tetrachlorophenol	12.9	5.00	"	25.0		51.5	30-130				
2,4,5-Trichlorophenol	14.2	5.00	"	25.0		56.6	32-114				
2,4,6-Trichlorophenol	16.5	5.00	"	25.0		66.0	35-118				
2,4-Dichlorophenol	15.7	5.00	"	25.0		62.9	25-116				
2,4-Dimethylphenol	12.9	5.00	"	25.0		51.8	15-116				
2,4-Dinitrophenol	6.70	5.00	"	25.0		26.8	10-170				
2,4-Dinitrotoluene	17.8	5.00	"	25.0		71.0	41-128				
2,6-Dinitrotoluene	17.8	5.00	"	25.0		71.0	45-116				
2-Chloronaphthalene	13.9	5.00	"	25.0		55.7	33-112				
2-Chlorophenol	12.2	5.00	"	25.0		48.9	15-120				
2-Methylnaphthalene	14.4	5.00	"	25.0		57.8	24-118				
2-Methylphenol	10.2	5.00	"	25.0		40.8	10-110				
2-Nitroaniline	15.7	5.00	"	25.0		62.8	34-129				
2-Nitrophenol	17.0	5.00	"	25.0		67.8	28-118				
3- & 4-Methylphenols	8.57	5.00	"	25.0		34.3	10-107				
3,3-Dichlorobenzidine	11.7	5.00	"	25.0		46.8	15-187				
3-Nitroaniline	13.8	5.00	"	25.0		55.2	24-134				
4,6-Dinitro-2-methylphenol	13.9	5.00	"	25.0		55.4	10-153				
4-Bromophenyl phenyl ether	15.0	5.00	"	25.0		59.9	34-120				
4-Chloro-3-methylphenol	15.7	5.00	"	25.0		62.8	20-120				
4-Chloroaniline	11.8	5.00	"	25.0		47.0	10-147				
4-Chlorophenyl phenyl ether	16.4	5.00	"	25.0		65.6	27-121				
4-Nitroaniline	15.2	5.00	"	25.0		60.8	13-134				
4-Nitrophenol	19.9	5.00	"	25.0		79.6	10-131				
Acetophenone	14.0	5.00	"	25.0		56.0	25-110				
Aniline	17.0	5.00	"	25.0		68.2	10-117				
Benzaldehyde	14.7	5.00	"	25.0		58.9	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	9.13	5.00	"	25.0		36.5	10-117				
Benzyl butyl phthalate	14.5	5.00	"	25.0		58.2	29-133				
Bis(2-chloroethoxy)methane	12.5	5.00	"	25.0		50.1	10-154				
Bis(2-chloroethyl)ether	23.6	5.00	"	25.0		94.5	17-125				
Bis(2-chloroisopropyl)ether	10.1	5.00	"	25.0		40.6	10-139				
Caprolactam	4.10	5.00	"	25.0		16.4	10-137				
Carbazole	14.8	5.00	"	25.0		59.4	42-126				
Dibenzofuran	15.0	5.00	"	25.0		59.9	36-113				
Diethyl phthalate	14.6	5.00	"	25.0		58.2	38-115				
Dimethyl phthalate	15.1	5.00	"	25.0		60.2	38-129				
Di-n-butyl phthalate	14.2	5.00	"	25.0		56.9	31-120				
Di-n-octyl phthalate	15.1	5.00	"	25.0		60.5	21-149				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21625 - EPA 3510C											
LCS (BB21625-BS1) LCS								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Diphenylamine	16.7	5.00	ug/L	25.0		66.6	40-140				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	12.2	5.00	"	25.0		48.7	25-127				
N-nitroso-di-n-propylamine	10.4	5.00	"	25.0		41.5	26-122				
N-Nitrosodiphenylamine	15.9	5.00	"	25.0		63.5	23-149				
Phenol	5.08	5.00	"	25.0		20.3	10-110				
Pyridine	9.04	5.00	"	25.5		35.5	10-90				
Surrogate: SURR: 2-Fluorophenol	*13.5*		*"*	*50.0*		*27.1*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.99*		*"*	*50.0*		*16.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*11.9*		*"*	*25.0*		*47.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*14.3*		*"*	*25.0*		*57.1*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*35.8*		*"*	*50.0*		*71.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*15.5*		*"*	*25.0*		*61.8*	*30.7-106*				
LCS Dup (BB21625-BSD1) LCS Dup								Prepared: 02/09/2022 Analyzed: 02/10/2022			
1,1-Biphenyl	18.2	5.00	ug/L	25.0		73.0	33-95		23.9	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	22.1	5.00	"	25.0		88.2	26-120		24.4	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	12.8	5.00	"	25.0		51.1	16-141		22.0	20	Non-dir.
2,3,4,6-Tetrachlorophenol	16.8	5.00	"	25.0		67.2	30-130		26.4	20	Non-dir.
2,4,5-Trichlorophenol	18.4	5.00	"	25.0		73.8	32-114		26.3	20	Non-dir.
2,4,6-Trichlorophenol	21.4	5.00	"	25.0		85.7	35-118		26.0	20	Non-dir.
2,4-Dichlorophenol	21.9	5.00	"	25.0		87.7	25-116		32.9	20	Non-dir.
2,4-Dimethylphenol	15.7	5.00	"	25.0		62.9	15-116		19.4	20	
2,4-Dinitrophenol	9.80	5.00	"	25.0		39.2	10-170		37.6	20	Non-dir.
2,4-Dinitrotoluene	22.6	5.00	"	25.0		90.5	41-128		24.2	20	Non-dir.
2,6-Dinitrotoluene	22.0	5.00	"	25.0		88.1	45-116		21.5	20	Non-dir.
2-Chloronaphthalene	17.7	5.00	"	25.0		70.7	33-112		23.7	20	Non-dir.
2-Chlorophenol	15.6	5.00	"	25.0		62.5	15-120		24.3	20	Non-dir.
2-Methylnaphthalene	18.6	5.00	"	25.0		74.6	24-118		25.4	20	Non-dir.
2-Methylphenol	13.1	5.00	"	25.0		52.5	10-110		25.1	20	Non-dir.
2-Nitroaniline	20.7	5.00	"	25.0		83.0	34-129		27.7	20	Non-dir.
2-Nitrophenol	21.9	5.00	"	25.0		87.6	28-118		25.4	20	Non-dir.
3- & 4-Methylphenols	10.7	5.00	"	25.0		42.7	10-107		21.8	20	Non-dir.
3,3-Dichlorobenzidine	15.2	5.00	"	25.0		61.0	15-187		26.2	20	Non-dir.
3-Nitroaniline	17.2	5.00	"	25.0		68.6	24-134		21.6	20	Non-dir.
4,6-Dinitro-2-methylphenol	18.3	5.00	"	25.0		73.2	10-153		27.6	20	Non-dir.
4-Bromophenyl phenyl ether	18.8	5.00	"	25.0		75.2	34-120		22.6	20	Non-dir.
4-Chloro-3-methylphenol	21.0	5.00	"	25.0		84.2	20-120		29.1	20	Non-dir.
4-Chloroaniline	14.0	5.00	"	25.0		55.9	10-147		17.3	20	
4-Chlorophenyl phenyl ether	20.7	5.00	"	25.0		82.9	27-121		23.3	20	Non-dir.
4-Nitroaniline	19.5	5.00	"	25.0		78.0	13-134		24.8	20	Non-dir.
4-Nitrophenol	24.0	5.00	"	25.0		96.0	10-131		18.6	20	
Acetophenone	17.9	5.00	"	25.0		71.6	25-110		24.3	20	Non-dir.
Aniline	20.9	5.00	"	25.0		83.6	10-117		20.3	20	Non-dir.
Benzaldehyde	18.3	5.00	"	25.0		73.1	29-117		21.6	20	Non-dir.
Benzoic acid	3.19	5.00	"	25.0		12.8	30-130	Low Bias	56.7	20	Non-dir.
Benzyl alcohol	11.8	5.00	"	25.0		47.0	10-117		25.2	20	Non-dir.
Benzyl butyl phthalate	17.8	5.00	"	25.0		71.3	29-133		20.3	20	Non-dir.
Bis(2-chloroethoxy)methane	15.7	5.00	"	25.0		62.8	10-154		22.5	20	Non-dir.
Bis(2-chloroethyl)ether	29.0	5.00	"	25.0		116	17-125		20.3	20	Non-dir.
Bis(2-chloroisopropyl)ether	12.6	5.00	"	25.0		50.2	10-139		21.3	20	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21625 - EPA 3510C											
LCS Dup (BB21625-BSD1) LCS Dup									Prepared: 02/09/2022 Analyzed: 02/10/2022		
Caprolactam	5.01	5.00	ug/L	25.0		20.0	10-137		20.0	20	
Carbazole	19.4	5.00	"	25.0		77.7	42-126		26.7	20	Non-dir.
Dibenzofuran	19.1	5.00	"	25.0		76.2	36-113		24.0	20	Non-dir.
Diethyl phthalate	18.1	5.00	"	25.0		72.6	38-115		22.0	20	Non-dir.
Dimethyl phthalate	19.0	5.00	"	25.0		75.9	38-129		23.0	20	Non-dir.
Di-n-butyl phthalate	17.7	5.00	"	25.0		70.7	31-120		21.6	20	Non-dir.
Di-n-octyl phthalate	19.3	5.00	"	25.0		77.0	21-149		24.0	20	Non-dir.
Diphenylamine	21.0	5.00	"	25.0		84.1	40-140		23.2	20	Non-dir.
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Isophorone	15.6	5.00	"	25.0		62.6	25-127		25.0	20	Non-dir.
N-nitroso-di-n-propylamine	13.3	5.00	"	25.0		53.2	26-122		24.7	20	Non-dir.
N-Nitrosodiphenylamine	20.2	5.00	"	25.0		80.6	23-149		23.8	20	Non-dir.
Phenol	6.45	5.00	"	25.0		25.8	10-110		23.8	20	Non-dir.
Pyridine	11.4	5.00	"	25.5		44.9	10-90		23.5	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*17.6*		*"*	*50.0*		*35.2*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.4*		*"*	*50.0*		*20.7*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.8*		*"*	*25.0*		*63.0*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.2*		*"*	*25.0*		*72.8*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.2*		*"*	*50.0*		*90.5*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*19.3*		*"*	*25.0*		*77.1*	*30.7-106*				
Batch BB21655 - EPA 3546 SVOA											
Blank (BB21655-BLK1) Blank									Prepared: 02/09/2022 Analyzed: 02/10/2022		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21655 - EPA 3546 SVOA											
Blank (BB21655-BLK1) Blank									Prepared: 02/09/2022 Analyzed: 02/10/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.964*		*"*	*1.66*		*58.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.872*		*"*	*1.66*		*52.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.541*		*"*	*0.831*		*65.1*	*22-108*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21655 - EPA 3546 SVOA											
Blank (BB21655-BLK1) Blank								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Surrogate: SURR: 2-Fluorobiphenyl	*0.446*		*mg/kg wet*	*0.831*		*53.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.985*		*"*	*1.66*		*59.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.515*		*"*	*0.831*		*62.0*	*24-116*				
LCS (BB21655-BS1) LCS								Prepared: 02/09/2022 Analyzed: 02/10/2022			
1,1-Biphenyl	0.494	0.0416	mg/kg wet	0.831		59.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.677	0.0830	"	0.831		81.5	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.585	0.0416	"	0.831		70.5	17-137				
2,3,4,6-Tetrachlorophenol	0.573	0.0830	"	0.831		69.0	30-130				
2,4,5-Trichlorophenol	0.527	0.0416	"	0.831		63.4	27-118				
2,4,6-Trichlorophenol	0.565	0.0416	"	0.831		68.0	31-120				
2,4-Dichlorophenol	0.633	0.0416	"	0.831		76.2	20-127				
2,4-Dimethylphenol	0.600	0.0416	"	0.831		72.2	14-132				
2,4-Dinitrophenol	0.0419	0.0830	"	0.831		5.04	10-171	Low Bias			
2,4-Dinitrotoluene	0.658	0.0416	"	0.831		79.2	34-131				
2,6-Dinitrotoluene	0.667	0.0416	"	0.831		80.4	31-128				
2-Chloronaphthalene	0.547	0.0416	"	0.831		65.8	31-117				
2-Chlorophenol	0.634	0.0416	"	0.831		76.3	33-113				
2-Methylnaphthalene	0.639	0.0416	"	0.831		76.9	12-138				
2-Methylphenol	0.635	0.0416	"	0.831		76.4	10-136				
2-Nitroaniline	0.585	0.0830	"	0.831		70.5	27-132				
2-Nitrophenol	0.713	0.0416	"	0.831		85.9	17-129				
3- & 4-Methylphenols	0.507	0.0416	"	0.831		61.0	29-103				
3,3-Dichlorobenzidine	0.719	0.0416	"	0.831		86.6	22-149				
3-Nitroaniline	0.446	0.0830	"	0.831		53.7	20-133				
4,6-Dinitro-2-methylphenol	0.516	0.0830	"	0.831		62.1	10-143				
4-Bromophenyl phenyl ether	0.595	0.0416	"	0.831		71.6	29-120				
4-Chloro-3-methylphenol	0.640	0.0416	"	0.831		77.0	24-129				
4-Chloroaniline	0.259	0.0416	"	0.831		31.2	10-132				
4-Chlorophenyl phenyl ether	0.559	0.0416	"	0.831		67.4	27-124				
4-Nitroaniline	0.521	0.0830	"	0.831		62.7	16-128				
4-Nitrophenol	0.559	0.0830	"	0.831		67.3	10-141				
Acenaphthene	0.593	0.0416	"	0.831		71.4	30-121				
Acenaphthylene	0.542	0.0416	"	0.831		65.2	30-115				
Acetophenone	0.531	0.0416	"	0.831		63.9	20-112				
Aniline	0.476	0.166	"	0.831		57.3	10-119				
Anthracene	0.622	0.0416	"	0.831		74.8	34-118				
Atrazine	0.583	0.0416	"	0.831		70.2	26-112				
Benzaldehyde	0.486	0.0416	"	0.831		58.6	21-100				
Benzo(a)anthracene	0.666	0.0416	"	0.831		80.2	32-122				
Benzo(a)pyrene	0.597	0.0416	"	0.831		71.8	29-133				
Benzo(b)fluoranthene	0.653	0.0416	"	0.831		78.6	25-133				
Benzo(g,h,i)perylene	0.724	0.0416	"	0.831		87.2	10-143				
Benzo(k)fluoranthene	0.624	0.0416	"	0.831		75.1	25-128				
Benzoic acid	1.18	0.0416	"	0.831		142	10-140	High Bias			
Benzyl alcohol	0.549	0.0416	"	0.831		66.1	30-115				
Benzyl butyl phthalate	0.734	0.0416	"	0.831		88.4	26-126				
Bis(2-chloroethoxy)methane	0.610	0.0416	"	0.831		73.4	19-132				
Bis(2-chloroethyl)ether	0.578	0.0416	"	0.831		69.6	19-125				
Bis(2-chloroisopropyl)ether	0.458	0.0416	"	0.831		55.1	20-135				
Bis(2-ethylhexyl)phthalate	0.788	0.0416	"	0.831		94.8	10-155				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21655 - EPA 3546 SVOA											
LCS (BB21655-BS1) LCS								Prepared: 02/09/2022 Analyzed: 02/10/2022			
Caprolactam	0.496	0.0830	mg/kg wet	0.831		59.7	10-127				
Carbazole	0.598	0.0416	"	0.831		72.0	35-123				
Chrysene	0.619	0.0416	"	0.831		74.5	32-123				
Dibenzo(a,h)anthracene	0.740	0.0416	"	0.831		89.1	10-136				
Dibenzofuran	0.550	0.0416	"	0.831		66.3	29-121				
Diethyl phthalate	0.586	0.0416	"	0.831		70.6	34-116				
Dimethyl phthalate	0.571	0.0416	"	0.831		68.7	35-124				
Di-n-butyl phthalate	0.640	0.0416	"	0.831		77.0	31-116				
Di-n-octyl phthalate	0.809	0.0416	"	0.831		97.4	26-136				
Diphenylamine	0.743	0.0830	"	0.831		89.4	40-140				
Fluoranthene	0.604	0.0416	"	0.831		72.7	33-122				
Fluorene	0.591	0.0416	"	0.831		71.2	29-123				
Hexachlorobenzene	0.719	0.0416	"	0.831		86.5	21-124				
Hexachlorobutadiene	0.682	0.0416	"	0.831		82.2	10-149				
Hexachlorocyclopentadiene	0.538	0.0416	"	0.831		64.7	10-129				
Hexachloroethane	0.647	0.0416	"	0.831		77.9	28-108				
Indeno(1,2,3-cd)pyrene	0.751	0.0416	"	0.831		90.4	10-135				
Isophorone	0.597	0.0416	"	0.831		71.8	20-132				
Naphthalene	0.593	0.0416	"	0.831		71.4	23-124				
Nitrobenzene	0.630	0.0416	"	0.831		75.9	13-132				
N-Nitrosodimethylamine	1.17	0.0416	"	0.831		141	11-129	High Bias			
N-nitroso-di-n-propylamine	0.570	0.0416	"	0.831		68.6	24-119				
N-Nitrosodiphenylamine	0.719	0.0416	"	0.831		86.5	22-152				
Pentachlorophenol	0.204	0.0416	"	0.831		24.6	10-139				
Phenanthrene	0.601	0.0416	"	0.831		72.4	33-123				
Phenol	0.562	0.0416	"	0.831		67.7	23-115				
Pyrene	0.644	0.0416	"	0.831		77.5	24-130				
Pyridine	1.14	0.166	"	0.831		138	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.14*		"	*1.66*		*68.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.17*		"	*1.66*		*70.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.674*		"	*0.831*		*81.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.618*		"	*0.831*		*74.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.30*		"	*1.66*		*78.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.678*		"	*0.831*		*81.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21655 - EPA 3546 SVOA											
Matrix Spike (BB21655-MS1) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)							Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,1-Biphenyl	0.477	0.107	mg/kg dry	1.07	ND	44.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.487	0.214	"	1.07	ND	45.5	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.445	0.107	"	1.07	ND	41.5	10-144				
2,3,4,6-Tetrachlorophenol	0.382	0.214	"	1.07	ND	35.7	30-130				
2,4,5-Trichlorophenol	0.461	0.107	"	1.07	ND	43.0	10-127				
2,4,6-Trichlorophenol	0.426	0.107	"	1.07	ND	39.8	10-132				
2,4-Dichlorophenol	0.517	0.107	"	1.07	ND	48.3	10-128				
2,4-Dimethylphenol	0.483	0.107	"	1.07	ND	45.1	10-137				
2,4-Dinitrophenol	ND	0.214	"	1.07	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.542	0.107	"	1.07	ND	50.6	16-135				
2,6-Dinitrotoluene	0.517	0.107	"	1.07	ND	48.2	18-131				
2-Chloronaphthalene	0.450	0.107	"	1.07	ND	42.0	10-129				
2-Chlorophenol	0.503	0.107	"	1.07	ND	47.0	15-116				
2-Methylnaphthalene	0.493	0.107	"	1.07	ND	46.1	10-147				
2-Methylphenol	0.524	0.107	"	1.07	ND	49.0	10-136				
2-Nitroaniline	0.500	0.214	"	1.07	ND	46.7	10-137				
2-Nitrophenol	0.548	0.107	"	1.07	ND	51.2	10-129				
3- & 4-Methylphenols	0.400	0.107	"	1.07	ND	37.4	10-123				
3,3-Dichlorobenzidine	0.365	0.107	"	1.07	ND	34.1	10-155				
3-Nitroaniline	0.391	0.214	"	1.07	ND	36.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.214	"	1.07	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.443	0.107	"	1.07	ND	41.4	14-128				
4-Chloro-3-methylphenol	0.522	0.107	"	1.07	ND	48.7	10-134				
4-Chloroaniline	0.290	0.107	"	1.07	ND	27.0	10-145				
4-Chlorophenyl phenyl ether	0.466	0.107	"	1.07	ND	43.5	14-130				
4-Nitroaniline	0.427	0.214	"	1.07	ND	39.8	10-147				
4-Nitrophenol	0.385	0.214	"	1.07	ND	35.9	10-137				
Acenaphthene	0.447	0.107	"	1.07	0.189	24.1	10-146				
Acenaphthylene	0.515	0.107	"	1.07	ND	48.1	10-134				
Acetophenone	0.547	0.107	"	1.07	ND	51.0	10-116				
Aniline	0.403	0.429	"	1.07	ND	37.7	10-123				
Anthracene	0.552	0.107	"	1.07	0.476	7.11	10-142	Low Bias			
Atrazine	0.506	0.107	"	1.07	ND	47.3	19-115				
Benzaldehyde	0.536	0.107	"	1.07	ND	50.1	10-125				
Benzo(a)anthracene	0.716	0.107	"	1.07	0.748	NR	10-158	Low Bias			
Benzo(a)pyrene	0.870	0.107	"	1.07	0.726	13.5	10-180				
Benzo(b)fluoranthene	0.755	0.107	"	1.07	0.568	17.4	10-200				
Benzo(g,h,i)perylene	0.786	0.107	"	1.07	0.485	28.1	10-138				
Benzo(k)fluoranthene	0.668	0.107	"	1.07	0.537	12.3	10-197				
Benzoic acid	1.16	0.107	"	1.07	ND	109	10-166				
Benzyl alcohol	0.470	0.107	"	1.07	ND	43.9	12-124				
Benzyl butyl phthalate	0.535	0.107	"	1.07	ND	49.9	10-154				
Bis(2-chloroethoxy)methane	0.478	0.107	"	1.07	ND	44.6	10-132				
Bis(2-chloroethyl)ether	0.412	0.107	"	1.07	ND	38.5	10-119				
Bis(2-chloroisopropyl)ether	0.359	0.107	"	1.07	ND	33.5	10-139				
Bis(2-ethylhexyl)phthalate	0.551	0.107	"	1.07	ND	51.4	10-167				
Caprolactam	0.504	0.214	"	1.07	ND	47.0	10-132				
Carbazole	0.465	0.107	"	1.07	0.104	33.7	10-167				
Chrysene	0.634	0.107	"	1.07	0.694	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	0.689	0.107	"	1.07	0.112	53.8	10-137				
Dibenzofuran	0.456	0.107	"	1.07	ND	42.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21655 - EPA 3546 SVOA											
Matrix Spike (BB21655-MS1) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)							Prepared: 02/09/2022 Analyzed: 02/11/2022			
Diethyl phthalate	0.502	0.107	mg/kg dry	1.07	ND	46.9	20-120				
Dimethyl phthalate	0.488	0.107	"	1.07	ND	45.6	18-131				
Di-n-butyl phthalate	0.479	0.107	"	1.07	ND	44.7	10-137				
Di-n-octyl phthalate	0.587	0.107	"	1.07	ND	54.8	10-180				
Diphenylamine	0.550	0.214	"	1.07	ND	51.4	40-140				
Fluoranthene	0.772	0.107	"	1.07	1.70	NR	10-160	Low Bias			
Fluorene	0.499	0.107	"	1.07	0.203	27.6	10-157				
Hexachlorobenzene	0.581	0.107	"	1.07	ND	54.2	10-137				
Hexachlorobutadiene	0.578	0.107	"	1.07	ND	54.0	10-132				
Hexachlorocyclopentadiene	0.0771	0.107	"	1.07	ND	7.20	10-106	Low Bias			
Hexachloroethane	0.505	0.107	"	1.07	ND	47.2	10-110				
Indeno(1,2,3-cd)pyrene	0.836	0.107	"	1.07	0.568	25.1	10-144				
Isophorone	0.499	0.107	"	1.07	ND	46.6	10-132				
Naphthalene	0.493	0.107	"	1.07	ND	46.1	10-141				
Nitrobenzene	0.502	0.107	"	1.07	ND	46.9	10-131				
N-Nitrosodimethylamine	1.13	0.107	"	1.07	ND	105	10-126				
N-nitroso-di-n-propylamine	0.495	0.107	"	1.07	ND	46.2	10-125				
N-Nitrosodiphenylamine	0.521	0.107	"	1.07	ND	48.6	10-177				
Pentachlorophenol	0.0642	0.107	"	1.07	ND	6.00	10-153	Low Bias			
Phenanthrene	0.609	0.107	"	1.07	1.85	NR	10-148	Low Bias			
Phenol	0.454	0.107	"	1.07	ND	42.4	10-126				
Pyrene	0.813	0.107	"	1.07	1.65	NR	10-165	Low Bias			
Pyridine	0.923	0.429	"	1.07	ND	86.2	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*0.946*		*"*	*2.14*		*44.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.938*		*"*	*2.14*		*43.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.559*		*"*	*1.07*		*52.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.458*		*"*	*1.07*		*42.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.848*		*"*	*2.14*		*39.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.486*		*"*	*1.07*		*45.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21655 - EPA 3546 SVOA

Matrix Spike Dup (BB21655-M Matrix Spike Dup Source sample: 22B0289-01 (EP13_7.5) Prepared: 02/09/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.661	0.107	mg/kg dry	1.07	ND	61.8	10-130		32.4	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.805	0.214	"	1.07	ND	75.2	10-133		49.2	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.672	0.107	"	1.07	ND	62.8	10-144		40.8	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.707	0.214	"	1.07	ND	66.0	30-130		59.6	30	Non-dir.
2,4,5-Trichlorophenol	0.725	0.107	"	1.07	ND	67.7	10-127		44.5	30	Non-dir.
2,4,6-Trichlorophenol	0.642	0.107	"	1.07	ND	59.9	10-132		40.4	30	Non-dir.
2,4-Dichlorophenol	0.819	0.107	"	1.07	ND	76.5	10-128		45.1	30	Non-dir.
2,4-Dimethylphenol	0.783	0.107	"	1.07	ND	73.1	10-137		47.4	30	Non-dir.
2,4-Dinitrophenol	ND	0.214	"	1.07	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.786	0.107	"	1.07	ND	73.4	16-135		36.8	30	Non-dir.
2,6-Dinitrotoluene	0.807	0.107	"	1.07	ND	75.4	18-131		43.9	30	Non-dir.
2-Chloronaphthalene	0.694	0.107	"	1.07	ND	64.8	10-129		42.7	30	Non-dir.
2-Chlorophenol	0.786	0.107	"	1.07	ND	73.4	15-116		44.0	30	Non-dir.
2-Methylnaphthalene	0.845	0.107	"	1.07	ND	78.9	10-147		52.5	30	Non-dir.
2-Methylphenol	0.817	0.107	"	1.07	ND	76.3	10-136		43.7	30	Non-dir.
2-Nitroaniline	0.722	0.214	"	1.07	ND	67.4	10-137		36.3	30	Non-dir.
2-Nitrophenol	0.860	0.107	"	1.07	ND	80.3	10-129		44.3	30	Non-dir.
3- & 4-Methylphenols	0.677	0.107	"	1.07	ND	63.2	10-123		51.4	30	Non-dir.
3,3-Dichlorobenzidine	0.856	0.107	"	1.07	ND	79.9	10-155		80.4	30	Non-dir.
3-Nitroaniline	0.660	0.214	"	1.07	ND	61.7	12-133		51.1	30	Non-dir.
4,6-Dinitro-2-methylphenol	ND	0.214	"	1.07	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.712	0.107	"	1.07	ND	66.5	14-128		46.6	30	Non-dir.
4-Chloro-3-methylphenol	0.899	0.107	"	1.07	ND	83.9	10-134		53.1	30	Non-dir.
4-Chloroaniline	0.511	0.107	"	1.07	ND	47.8	10-145		55.4	30	Non-dir.
4-Chlorophenyl phenyl ether	0.698	0.107	"	1.07	ND	65.2	14-130		39.9	30	Non-dir.
4-Nitroaniline	0.656	0.214	"	1.07	ND	61.3	10-147		42.4	30	Non-dir.
4-Nitrophenol	0.644	0.214	"	1.07	ND	60.2	10-137		50.5	30	Non-dir.
Acenaphthene	0.713	0.107	"	1.07	0.189	48.9	10-146		45.8	30	Non-dir.
Acenaphthylene	0.740	0.107	"	1.07	ND	69.1	10-134		35.9	30	Non-dir.
Acetophenone	0.749	0.107	"	1.07	ND	69.9	10-116		31.2	30	Non-dir.
Aniline	0.750	0.429	"	1.07	ND	70.0	10-123		60.0	30	Non-dir.
Anthracene	0.744	0.107	"	1.07	0.476	25.0	10-142		29.6	30	
Atrazine	0.738	0.107	"	1.07	ND	69.0	19-115		37.3	30	Non-dir.
Benzaldehyde	0.779	0.107	"	1.07	ND	72.7	10-125		36.9	30	Non-dir.
Benzo(a)anthracene	0.848	0.107	"	1.07	0.748	9.38	10-158	Low Bias	16.9	30	
Benzo(a)pyrene	0.889	0.107	"	1.07	0.726	15.3	10-180		2.14	30	
Benzo(b)fluoranthene	0.894	0.107	"	1.07	0.568	30.4	10-200		16.9	30	
Benzo(g,h,i)perylene	0.958	0.107	"	1.07	0.485	44.2	10-138		19.8	30	
Benzo(k)fluoranthene	0.794	0.107	"	1.07	0.537	24.0	10-197		17.2	30	
Benzoic acid	1.63	0.107	"	1.07	ND	152	10-166		33.2	30	Non-dir.
Benzyl alcohol	0.756	0.107	"	1.07	ND	70.6	12-124		46.5	30	Non-dir.
Benzyl butyl phthalate	0.895	0.107	"	1.07	ND	83.6	10-154		50.4	30	Non-dir.
Bis(2-chloroethoxy)methane	0.770	0.107	"	1.07	ND	71.9	10-132		46.8	30	Non-dir.
Bis(2-chloroethyl)ether	0.705	0.107	"	1.07	ND	65.8	10-119		52.5	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.624	0.107	"	1.07	ND	58.2	10-139		53.9	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.861	0.107	"	1.07	ND	80.4	10-167		43.9	30	Non-dir.
Caprolactam	0.735	0.214	"	1.07	ND	68.6	10-132		37.3	30	Non-dir.
Carbazole	0.675	0.107	"	1.07	0.104	53.3	10-167		36.8	30	Non-dir.
Chrysene	0.760	0.107	"	1.07	0.694	6.15	10-156	Low Bias	18.1	30	
Dibenzo(a,h)anthracene	0.922	0.107	"	1.07	0.112	75.6	10-137		28.9	30	
Dibenzofuran	0.719	0.107	"	1.07	ND	67.1	10-147		44.8	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21655 - EPA 3546 SVOA

Matrix Spike Dup (BB21655-M Matrix Spike Dup *Source sample: 22B0289-01 (EP13_7.5) Prepared: 02/09/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Diethyl phthalate	0.780	0.107	mg/kg dry	1.07	ND	72.9	20-120		43.4	30	Non-dir.
Dimethyl phthalate	0.732	0.107	"	1.07	ND	68.4	18-131		40.0	30	Non-dir.
Di-n-butyl phthalate	0.733	0.107	"	1.07	ND	68.5	10-137		42.0	30	Non-dir.
Di-n-octyl phthalate	0.909	0.107	"	1.07	ND	84.9	10-180		43.1	30	Non-dir.
Diphenylamine	0.819	0.214	"	1.07	ND	76.5	40-140		39.3	30	Non-dir.
Fluoranthene	0.750	0.107	"	1.07	1.70	NR	10-160	Low Bias	2.81	30	
Fluorene	0.712	0.107	"	1.07	0.203	47.6	10-157		35.2	30	Non-dir.
Hexachlorobenzene	0.766	0.107	"	1.07	ND	71.5	10-137		27.5	30	
Hexachlorobutadiene	0.936	0.107	"	1.07	ND	87.4	10-132		47.3	30	Non-dir.
Hexachlorocyclopentadiene	0.180	0.107	"	1.07	ND	16.8	10-106		80.0	30	Non-dir.
Hexachloroethane	0.805	0.107	"	1.07	ND	75.2	10-110		45.8	30	Non-dir.
Indeno(1,2,3-cd)pyrene	1.03	0.107	"	1.07	0.568	43.5	10-144		21.1	30	
Isophorone	0.832	0.107	"	1.07	ND	77.7	10-132		50.1	30	Non-dir.
Naphthalene	0.761	0.107	"	1.07	ND	71.0	10-141		42.6	30	Non-dir.
Nitrobenzene	0.941	0.107	"	1.07	ND	87.9	10-131		60.9	30	Non-dir.
N-Nitrosodimethylamine	1.89	0.107	"	1.07	ND	177	10-126	High Bias	50.8	30	Non-dir.
N-nitroso-di-n-propylamine	0.807	0.107	"	1.07	ND	75.4	10-125		47.9	30	Non-dir.
N-Nitrosodiphenylamine	0.770	0.107	"	1.07	ND	71.9	10-177		38.6	30	Non-dir.
Pentachlorophenol	0.182	0.107	"	1.07	ND	17.0	10-153		95.8	30	Non-dir.
Phenanthrene	0.754	0.107	"	1.07	1.85	NR	10-148	Low Bias	21.2	30	
Phenol	0.721	0.107	"	1.07	ND	67.4	10-126		45.5	30	Non-dir.
Pyrene	0.919	0.107	"	1.07	1.65	NR	10-165	Low Bias	12.3	30	
Pyridine	1.75	0.429	"	1.07	ND	164	10-83	High Bias	61.9	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*1.62*		"	*2.14*		*75.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.48*		"	*2.14*		*69.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.990*		"	*1.07*		*92.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.742*		"	*1.07*		*69.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.39*		"	*2.14*		*65.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.740*		"	*1.07*		*69.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21656 - EPA 3550C												
Blank (BB21656-BLK1)	Blank								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*455*		*"*	*495*		*92.0*	*39-127.5*				
LCS (BB21656-BS1)	LCS								Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane		544	19.8	ug/kg	495		110	40-130				
Surrogate: 1,4-Dioxane-d8		*406*		*"*	*495*		*82.0*	*39-127.5*				
Matrix Spike (BB21656-MS1)	Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)							Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane		508	19.8	ug/kg	495	ND	103	40-130				
Surrogate: 1,4-Dioxane-d8		*396*		*"*	*495*		*80.0*	*40-130*				
Matrix Spike Dup (BB21656-M	Matrix Spike Dup	*Source sample: 22B0289-01 (EP13_7.5)							Prepared: 02/09/2022 Analyzed: 02/11/2022			
1,4-Dioxane		507	19.8	ug/kg	495	ND	102	40-130		0.195	30	
Surrogate: 1,4-Dioxane-d8		*416*		*"*	*495*		*84.0*	*40-130*				
Batch BB21707 - EPA 3535A												
Blank (BB21707-BLK1)	Blank								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BB21707-BS1)	LCS								Prepared: 02/10/2022 Analyzed: 02/11/2022			
1,4-Dioxane		4.19	0.300	ug/L	4.00		105	50-130				
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21569 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21569-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/10/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*4.77*		"	*4.58*		*104*	*25-150*				
Surrogate: M5PFHxA	*5.30*		"	*4.93*		*108*	*25-150*				
Surrogate: M4PFHpA	*4.82*		"	*4.93*		*97.9*	*25-150*				
Surrogate: M3PFHxS	*4.89*		"	*4.66*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.79*		"	*4.93*		*97.3*	*25-150*				
Surrogate: M6PFDA	*5.16*		"	*4.93*		*105*	*25-150*				
Surrogate: M7PFUdA	*5.16*		"	*4.93*		*105*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.87*		"	*4.93*		*98.9*	*25-150*				
Surrogate: M2PFTeDA	*3.45*		"	*4.93*		*70.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.06*		"	*4.93*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.42*		"	*4.71*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.43*		"	*4.93*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.66*		"	*4.93*		*94.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.47*		"	*4.93*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.79*		"	*4.93*		*97.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.20*		"	*4.68*		*89.8*	*25-200*				
Surrogate: M2-8:2 FTS	*5.35*		"	*4.72*		*113*	*25-200*				
Surrogate: M9PFNA	*5.63*		"	*4.93*		*114*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21569 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21569-BS1) LCS								Prepared: 02/08/2022 Analyzed: 02/10/2022			
Perfluorobutanesulfonic acid (PFBS)	4.28	0.234	ug/kg wet	4.15		103	50-130				
Perfluorohexanoic acid (PFHxA)	4.25	0.234	"	4.69		90.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.91	0.234	"	4.69		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.79	0.234	"	4.27		88.9	50-130				
Perfluorooctanoic acid (PFOA)	4.62	0.234	"	4.69		98.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.71	0.234	"	4.34		132	50-130	High Bias			
Perfluorononanoic acid (PFNA)	3.97	0.234	"	4.69		84.7	50-130				
Perfluorodecanoic acid (PFDA)	4.53	0.234	"	4.69		96.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.24	0.234	"	4.69		90.5	50-130				
Perfluorododecanoic acid (PFDoA)	4.45	0.234	"	4.69		95.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.55	0.234	"	4.69		75.7	50-130				
Perfluorotetradecanoic acid (PFTA)	4.50	0.234	"	4.69		96.0	50-130				
N-MeFOSAA	4.28	0.234	"	4.69		91.3	50-130				
N-EtFOSAA	6.34	0.234	"	4.69		135	50-130	High Bias			
Perfluoropentanoic acid (PFPeA)	4.56	0.234	"	4.69		97.2	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	3.98	0.234	"	4.69		84.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.64	0.234	"	4.48		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.93	0.234	"	4.52		86.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.99	0.234	"	4.45		89.6	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.51	0.234	"	4.50		78.1	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.66	0.234	"	4.69		99.4	50-130				
Surrogate: M3PFBS	*3.77*		*"*	*4.35*		*86.6*	*25-150*				
Surrogate: M5PFHxA	*4.43*		*"*	*4.69*		*94.6*	*25-150*				
Surrogate: M4PFHpA	*3.89*		*"*	*4.69*		*83.0*	*25-150*				
Surrogate: M3PFHxS	*4.51*		*"*	*4.43*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.16*		*"*	*4.69*		*88.7*	*25-150*				
Surrogate: M6PFDA	*4.45*		*"*	*4.69*		*94.9*	*25-150*				
Surrogate: M7PFUdA	*4.84*		*"*	*4.69*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.91*		*"*	*4.69*		*83.5*	*25-150*				
Surrogate: M2PFTeDA	*2.91*		*"*	*4.69*		*62.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.17*		*"*	*4.69*		*89.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.10*		*"*	*4.49*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.26*		*"*	*4.69*		*90.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.93*		*"*	*4.69*		*83.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.74*		*"*	*4.69*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.96*		*"*	*4.69*		*84.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.40*		*"*	*4.45*		*98.9*	*25-200*				
Surrogate: M2-8:2 FTS	*5.01*		*"*	*4.49*		*112*	*25-200*				
Surrogate: M9PFNA	*4.71*		*"*	*4.69*		*101*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21569 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21569-MS1) Matrix Spike *Source sample: 22B0289-01 (EP13_7.5) Prepared: 02/08/2022 Analyzed: 02/10/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.62	0.297	ug/kg dry	5.26	ND	107	25-150				
Perfluorohexanoic acid (PFHxA)	5.71	0.297	"	5.95	ND	96.0	25-150				
Perfluoroheptanoic acid (PFHpA)	6.88	0.297	"	5.95	ND	116	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.98	0.297	"	5.41	ND	92.0	25-150				
Perfluorooctanoic acid (PFOA)	5.85	0.297	"	5.95	0.432	91.2	25-150				
Perfluorooctanesulfonic acid (PFOS)	8.61	0.297	"	5.50	0.773	142	25-150				
Perfluorononanoic acid (PFNA)	5.43	0.297	"	5.95	ND	91.4	25-150				
Perfluorodecanoic acid (PFDA)	6.17	0.297	"	5.95	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	6.27	0.297	"	5.95	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	5.52	0.297	"	5.95	ND	92.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.49	0.297	"	5.95	ND	75.5	25-150				
Perfluorotetradecanoic acid (PFTA)	6.47	0.297	"	5.95	ND	109	25-150				
N-MeFOSAA	5.62	0.297	"	5.95	ND	94.5	25-150				
N-EtFOSAA	8.90	0.297	"	5.95	ND	150	25-150				
Perfluoropentanoic acid (PFPeA)	6.06	0.297	"	5.95	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.63	0.297	"	5.95	ND	112	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.34	0.297	"	5.68	ND	129	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.41	0.297	"	5.74	ND	76.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.16	0.297	"	5.65	ND	55.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.56	0.297	"	5.71	ND	115	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.55	0.297	"	5.95	ND	110	25-150				
Surrogate: M3PFBS	*4.22*		*"*	*5.52*		*76.5*	*25-150*				
Surrogate: M5PFHxA	*4.85*		*"*	*5.95*		*81.5*	*25-150*				
Surrogate: M4PFHpA	*4.16*		*"*	*5.95*		*69.9*	*25-150*				
Surrogate: M3PFHxS	*5.05*		*"*	*5.62*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.38*		*"*	*5.95*		*90.5*	*25-150*				
Surrogate: M6PFDA	*5.38*		*"*	*5.95*		*90.5*	*25-150*				
Surrogate: M7PFUdA	*4.58*		*"*	*5.95*		*77.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.42*		*"*	*5.95*		*74.3*	*25-150*				
Surrogate: M2PFTeDA	*3.10*		*"*	*5.95*		*52.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.51*		*"*	*5.95*		*75.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.16*		*"*	*5.69*		*90.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.44*		*"*	*5.95*		*74.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.48*		*"*	*5.95*		*58.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.48*		*"*	*5.95*		*92.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.58*		*"*	*5.95*		*77.1*	*25-150*				
Surrogate: M2-6:2 FTS	*8.69*		*"*	*5.64*		*154*	*25-200*				
Surrogate: M2-8:2 FTS	*7.09*		*"*	*5.70*		*124*	*25-200*				
Surrogate: M9PFNA	*5.68*		*"*	*5.95*		*95.6*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21569 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21569-M Matrix Spike Dup	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/10/2022		
Perfluorobutanesulfonic acid (PFBS)	4.69	0.309	ug/kg dry	5.47	ND	85.8	25-150		18.0	35	
Perfluorohexanoic acid (PFHxA)	4.85	0.309	"	6.18	ND	78.5	25-150		16.2	35	
Perfluoroheptanoic acid (PFHpA)	6.00	0.309	"	6.18	ND	97.1	25-150		13.7	35	
Perfluorohexanesulfonic acid (PFHxS)	4.83	0.309	"	5.63	ND	85.9	25-150		2.91	35	
Perfluorooctanoic acid (PFOA)	5.92	0.309	"	6.18	0.432	88.7	25-150		1.06	35	
Perfluorooctanesulfonic acid (PFOS)	7.27	0.309	"	5.72	0.773	114	25-150		16.9	35	
Perfluorononanoic acid (PFNA)	5.32	0.309	"	6.18	ND	86.0	25-150		2.16	35	
Perfluorodecanoic acid (PFDA)	5.99	0.309	"	6.18	ND	96.9	25-150		2.92	35	
Perfluoroundecanoic acid (PFUnA)	6.00	0.309	"	6.18	ND	97.0	25-150		4.40	35	
Perfluorododecanoic acid (PFDoA)	5.50	0.309	"	6.18	ND	89.0	25-150		0.435	35	
Perfluorotridecanoic acid (PFTrDA)	5.12	0.309	"	6.18	ND	82.8	25-150		13.1	35	
Perfluorotetradecanoic acid (PFTA)	5.99	0.309	"	6.18	ND	96.9	25-150		7.78	35	
N-MeFOSAA	5.76	0.309	"	6.18	ND	93.2	25-150		2.51	35	
N-EtFOSAA	6.77	0.309	"	6.18	ND	110	25-150		27.2	35	
Perfluoropentanoic acid (PFPeA)	6.18	0.309	"	6.18	ND	99.9	25-150		1.85	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.63	0.309	"	6.18	ND	91.2	25-150		16.3	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.56	0.309	"	5.90	ND	111	25-150		11.2	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.36	0.309	"	5.97	ND	73.0	25-150		1.30	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.84	0.309	"	5.87	ND	82.4	25-200		42.0	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.01	0.309	"	5.93	ND	84.4	25-200		26.8	35	
Perfluoro-n-butanoic acid (PFBA)	6.19	0.309	"	6.18	ND	100	25-150		5.61	35	
Surrogate: M3PFBS	*4.72*		*"*	*5.74*		*82.1*	*25-150*				
Surrogate: M5PFHxA	*5.47*		*"*	*6.18*		*88.4*	*25-150*				
Surrogate: M4PFHpA	*4.65*		*"*	*6.18*		*75.3*	*25-150*				
Surrogate: M3PFHxS	*5.33*		*"*	*5.85*		*91.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.34*		*"*	*6.18*		*86.3*	*25-150*				
Surrogate: M6PFDA	*5.30*		*"*	*6.18*		*85.8*	*25-150*				
Surrogate: M7PFUdA	*4.68*		*"*	*6.18*		*75.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.19*		*"*	*6.18*		*67.8*	*25-150*				
Surrogate: M2PFTeDA	*3.25*		*"*	*6.18*		*52.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.61*		*"*	*6.18*		*74.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.97*		*"*	*5.92*		*84.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.48*		*"*	*6.18*		*72.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.00*		*"*	*6.18*		*64.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.30*		*"*	*6.18*		*85.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.50*		*"*	*6.18*		*88.9*	*25-150*				
Surrogate: M2-6:2 FTS	*5.32*		*"*	*5.87*		*90.7*	*25-200*				
Surrogate: M2-8:2 FTS	*7.75*		*"*	*5.92*		*131*	*25-200*				
Surrogate: M9PFNA	*5.16*		*"*	*6.18*		*83.4*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21642 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21642-BLK1) Blank									Prepared & Analyzed: 02/09/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*51.3*		"	*74.3*		*69.1*	*25-150*				
Surrogate: M5PFHxA	*70.4*		"	*80.0*		*88.0*	*25-150*				
Surrogate: M4PFHpA	*61.4*		"	*80.0*		*76.7*	*25-150*				
Surrogate: M3PFHxS	*72.7*		"	*75.7*		*96.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: M6PFDA	*68.8*		"	*80.0*		*85.9*	*25-150*				
Surrogate: M7PFUdA	*74.9*		"	*80.0*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.5*		"	*80.0*		*89.3*	*25-150*				
Surrogate: M2PFTeDA	*57.9*		"	*80.0*		*72.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.7*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.3*		"	*76.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.8*		"	*80.0*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.1*		"	*80.0*		*40.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.9*		"	*80.0*		*81.1*	*25-150*				
Surrogate: M2-6:2 FTS	*61.7*		"	*75.9*		*81.2*	*25-200*				
Surrogate: M2-8:2 FTS	*59.5*		"	*76.6*		*77.7*	*25-200*				
Surrogate: M9PFNA	*73.7*		"	*80.0*		*92.1*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21642-BS1) LCS							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	69.2	2.00	ng/L	70.8		97.8	50-130				
Perfluorohexanoic acid (PFHxA)	72.3	2.00	"	80.0		90.4	50-130				
Perfluoroheptanoic acid (PFHpA)	80.2	2.00	"	80.0		100	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.9	2.00	"	72.8		87.8	50-130				
Perfluorooctanoic acid (PFOA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	82.9	2.00	"	74.0		112	50-130				
Perfluorononanoic acid (PFNA)	68.4	2.00	"	80.0		85.4	50-130				
Perfluorodecanoic acid (PFDA)	103	2.00	"	80.0		129	50-130				
Perfluoroundecanoic acid (PFUnA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorododecanoic acid (PFDoA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	68.9	2.00	"	80.0		86.1	50-130				
Perfluorotetradecanoic acid (PFTA)	77.0	2.00	"	80.0		96.2	50-130				
N-MeFOSAA	71.0	2.00	"	80.0		88.7	50-130				
N-EtFOSAA	85.7	2.00	"	80.0		107	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	71.8	2.00	"	80.0		89.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.5	2.00	"	76.4		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	75.3	2.00	"	77.2		97.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	60.3	5.00	"	76.0		79.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.9	2.00	"	76.8		89.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	75.0	2.00	"	80.0		93.8	50-130				
Surrogate: M3PFBS	*68.1*		*"*	*74.3*		*91.6*	*25-150*				
Surrogate: M5PFHxA	*76.5*		*"*	*80.0*		*95.6*	*25-150*				
Surrogate: M4PFHpA	*66.7*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*74.4*		*"*	*75.7*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*54.5*		*"*	*80.0*		*68.2*	*25-150*				
Surrogate: M7PFUdA	*85.5*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.3*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M2PFTeDA	*64.3*		*"*	*80.0*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.1*		*"*	*80.0*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.1*		*"*	*76.6*		*96.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.7*		*"*	*80.0*		*90.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*70.3*		*"*	*80.0*		*87.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*88.7*		*"*	*80.0*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*94.9*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M2-6:2 FTS	*79.4*		*"*	*75.9*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*79.7*		*"*	*76.6*		*104*	*25-200*				
Surrogate: M9PFNA	*79.3*		*"*	*80.0*		*99.2*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21642 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21642-BSD1) LCS Dup							Prepared & Analyzed: 02/09/2022				
Perfluorobutanesulfonic acid (PFBS)	73.9	2.00	ng/L	70.8		104	50-130		6.50	30	
Perfluorohexanoic acid (PFHxA)	77.4	2.00	"	80.0		96.7	50-130		6.81	30	
Perfluoroheptanoic acid (PFHpA)	82.9	2.00	"	80.0		104	50-130		3.25	30	
Perfluorohexanesulfonic acid (PFHxS)	69.1	2.00	"	72.8		94.9	50-130		7.75	30	
Perfluorooctanoic acid (PFOA)	68.9	2.00	"	80.0		86.2	50-130		0.834	30	
Perfluorooctanesulfonic acid (PFOS)	87.3	2.00	"	74.0		118	50-130		5.19	30	
Perfluorononanoic acid (PFNA)	73.5	2.00	"	80.0		91.9	50-130		7.24	30	
Perfluorodecanoic acid (PFDA)	72.4	2.00	"	80.0		90.5	50-130		35.2	30	Non-dir.
Perfluoroundecanoic acid (PFUnA)	90.8	2.00	"	80.0		114	50-130		16.3	30	
Perfluorododecanoic acid (PFDoA)	76.3	2.00	"	80.0		95.4	50-130		4.75	30	
Perfluorotridecanoic acid (PFTrDA)	71.9	2.00	"	80.0		89.8	50-130		4.24	30	
Perfluorotetradecanoic acid (PFTA)	80.7	2.00	"	80.0		101	50-130		4.67	30	
N-MeFOSAA	77.7	2.00	"	80.0		97.2	50-130		9.13	30	
N-EtFOSAA	89.8	2.00	"	80.0		112	50-130		4.68	30	
Perfluoropentanoic acid (PFPeA)	82.8	2.00	"	80.0		103	50-130		4.90	30	
Perfluoro-1-octanesulfonamide (FOSA)	80.2	2.00	"	80.0		100	50-130		11.1	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.6	2.00	"	76.4		103	50-130		0.0368	30	
Perfluoro-1-decanesulfonic acid (PFDS)	59.2	2.00	"	77.2		76.7	50-130		23.9	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.2	5.00	"	76.0		100	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	86.4	2.00	"	76.8		112	50-175		22.4	30	
Perfluoro-n-butanoic acid (PFBA)	80.4	2.00	"	80.0		101	50-130		6.92	30	
Surrogate: M3PFBS	*63.2*		"	*74.3*		*85.1*	*25-150*				
Surrogate: M5PFHxA	*68.9*		"	*80.0*		*86.1*	*25-150*				
Surrogate: M4PFHpA	*63.4*		"	*80.0*		*79.3*	*25-150*				
Surrogate: M3PFHxS	*72.6*		"	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.6*		"	*80.0*		*94.6*	*25-150*				
Surrogate: M6PFDA	*78.7*		"	*80.0*		*98.3*	*25-150*				
Surrogate: M7PFUdA	*67.5*		"	*80.0*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.6*		"	*80.0*		*80.8*	*25-150*				
Surrogate: M2PFTeDA	*52.8*		"	*80.0*		*66.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.3*		"	*80.0*		*84.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.8*		"	*76.6*		*92.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.8*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.5*		"	*80.0*		*24.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.8*		"	*80.0*		*79.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*62.8*		"	*80.0*		*78.5*	*25-150*				
Surrogate: M2-6:2 FTS	*62.6*		"	*75.9*		*82.5*	*25-200*				
Surrogate: M2-8:2 FTS	*64.5*		"	*76.6*		*84.1*	*25-200*				
Surrogate: M9PFNA	*73.8*		"	*80.0*		*92.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21553 - EPA 3550C											
Blank (BB21553-BLK1) Blank									Prepared & Analyzed: 02/08/2022		
4,4'-DDD	ND	0.00165	mg/kg wet								
4,4'-DDE	ND	0.00165	"								
4,4'-DDT	ND	0.00165	"								
Aldrin	ND	0.00165	"								
alpha-BHC	ND	0.00165	"								
alpha-Chlordane	ND	0.00165	"								
beta-BHC	ND	0.00165	"								
delta-BHC	ND	0.00165	"								
Dieldrin	ND	0.00165	"								
Endosulfan I	ND	0.00165	"								
Endosulfan II	ND	0.00165	"								
Endosulfan sulfate	ND	0.00165	"								
Endrin	ND	0.00165	"								
Endrin aldehyde	ND	0.00165	"								
Endrin ketone	ND	0.00165	"								
gamma-BHC (Lindane)	ND	0.00165	"								
gamma-Chlordane	ND	0.00165	"								
Heptachlor	ND	0.00165	"								
Heptachlor epoxide	ND	0.00165	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.165	"								
Chlordane, total	ND	0.0330	"								
Surrogate: Decachlorobiphenyl	*0.0409*		*"*	*0.0667*		*61.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0429*		*"*	*0.0667*		*64.4*	*30-150*				
Blank (BB21553-BLK2) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.000329	mg/kg wet								
4,4'-DDE	ND	0.000329	"								
4,4'-DDT	ND	0.000329	"								
Aldrin	ND	0.000329	"								
alpha-BHC	ND	0.000329	"								
alpha-Chlordane	ND	0.000329	"								
beta-BHC	ND	0.000329	"								
delta-BHC	ND	0.000329	"								
Dieldrin	ND	0.000329	"								
Endosulfan I	ND	0.000329	"								
Endosulfan II	ND	0.000329	"								
Endosulfan sulfate	ND	0.000329	"								
Endrin	ND	0.000329	"								
Endrin aldehyde	ND	0.000329	"								
Endrin ketone	ND	0.000329	"								
gamma-BHC (Lindane)	ND	0.000329	"								
gamma-Chlordane	ND	0.000329	"								
Heptachlor	ND	0.000329	"								
Heptachlor epoxide	ND	0.000329	"								
Methoxychlor	ND	0.000329	"								
Toxaphene	ND	0.0329	"								
Chlordane, total	ND	0.00658	"								
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0664*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0664*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21553 - EPA 3550C											
LCS (BB21553-BS1) LCS									Prepared & Analyzed: 02/08/2022		
4,4'-DDD	0.0302	0.00164	mg/kg wet	0.0332		90.8	40-140				
4,4'-DDE	0.0287	0.00164	"	0.0332		86.4	40-140				
4,4'-DDT	0.0191	0.00164	"	0.0332		57.4	40-140				
Aldrin	0.0298	0.00164	"	0.0332		89.6	40-140				
alpha-BHC	0.0320	0.00164	"	0.0332		96.4	40-140				
alpha-Chlordane	0.0294	0.00164	"	0.0332		88.6	40-140				
beta-BHC	0.0298	0.00164	"	0.0332		89.6	40-140				
delta-BHC	0.0287	0.00164	"	0.0332		86.3	40-140				
Dieldrin	0.0295	0.00164	"	0.0332		88.7	40-140				
Endosulfan I	0.0304	0.00164	"	0.0332		91.5	40-140				
Endosulfan II	0.0273	0.00164	"	0.0332		82.3	40-140				
Endosulfan sulfate	0.0236	0.00164	"	0.0332		71.2	40-140				
Endrin	0.0281	0.00164	"	0.0332		84.6	40-140				
Endrin aldehyde	0.0357	0.00164	"	0.0332		108	40-140				
Endrin ketone	0.0329	0.00164	"	0.0332		98.9	40-140				
gamma-BHC (Lindane)	0.0323	0.00164	"	0.0332		97.1	40-140				
gamma-Chlordane	0.0294	0.00164	"	0.0332		88.4	40-140				
Heptachlor	0.0282	0.00164	"	0.0332		85.0	40-140				
Heptachlor epoxide	0.0306	0.00164	"	0.0332		92.2	40-140				
Methoxychlor	0.0254	0.00164	"	0.0332		76.5	40-140				
Surrogate: Decachlorobiphenyl	*0.0425*		*"*	*0.0664*		*64.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0424*		*"*	*0.0664*		*63.8*	*30-150*				
LCS (BB21553-BS2) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.000329	mg/kg wet				40-140				
4,4'-DDE	ND	0.000329	"				40-140				
4,4'-DDT	ND	0.000329	"				40-140				
Aldrin	ND	0.000329	"				40-140				
alpha-BHC	ND	0.000329	"				40-140				
alpha-Chlordane	ND	0.000329	"				40-140				
beta-BHC	ND	0.000329	"				40-140				
delta-BHC	ND	0.000329	"				40-140				
Dieldrin	ND	0.000329	"				40-140				
Endosulfan I	ND	0.000329	"				40-140				
Endosulfan II	ND	0.000329	"				40-140				
Endosulfan sulfate	ND	0.000329	"				40-140				
Endrin	ND	0.000329	"				40-140				
Endrin aldehyde	ND	0.000329	"				40-140				
Endrin ketone	ND	0.000329	"				40-140				
gamma-BHC (Lindane)	ND	0.000329	"				40-140				
gamma-Chlordane	ND	0.000329	"				40-140				
Heptachlor	ND	0.000329	"				40-140				
Heptachlor epoxide	ND	0.000329	"				40-140				
Methoxychlor	ND	0.000329	"				40-140				
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0664*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0664*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21553 - EPA 3550C											
Matrix Spike (BB21553-MS1) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)									Prepared: 02/08/2022 Analyzed: 02/09/2022	
4,4'-DDD	ND	0.000424	mg/kg dry	0.0428	ND		30-150	Low Bias			
4,4'-DDE	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
4,4'-DDT	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Aldrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
alpha-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
alpha-Chlordane	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
beta-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
delta-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Dieldrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endosulfan I	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endosulfan II	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endosulfan sulfate	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endrin aldehyde	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Endrin ketone	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
gamma-BHC (Lindane)	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
gamma-Chlordane	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Heptachlor	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Heptachlor epoxide	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Methoxychlor	ND	0.000424	"	0.0428	ND		30-150	Low Bias			
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0857*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0857*			*30-150*				
Matrix Spike (BB21553-MS2) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)									Prepared: 02/08/2022 Analyzed: 02/09/2022	
4,4'-DDD	ND	0.000424	mg/kg dry		ND		30-150				
4,4'-DDE	ND	0.000424	"		ND		30-150				
4,4'-DDT	ND	0.000424	"		ND		30-150				
Aldrin	ND	0.000424	"		ND		30-150				
alpha-BHC	ND	0.000424	"		ND		30-150				
alpha-Chlordane	ND	0.000424	"		ND		30-150				
beta-BHC	ND	0.000424	"		ND		30-150				
delta-BHC	ND	0.000424	"		ND		30-150				
Dieldrin	ND	0.000424	"		ND		30-150				
Endosulfan I	ND	0.000424	"		ND		30-150				
Endosulfan II	ND	0.000424	"		ND		30-150				
Endosulfan sulfate	ND	0.000424	"		ND		30-150				
Endrin	ND	0.000424	"		ND		30-150				
Endrin aldehyde	ND	0.000424	"		ND		30-150				
Endrin ketone	ND	0.000424	"		ND		30-150				
gamma-BHC (Lindane)	ND	0.000424	"		ND		30-150				
gamma-Chlordane	ND	0.000424	"		ND		30-150				
Heptachlor	ND	0.000424	"		ND		30-150				
Heptachlor epoxide	ND	0.000424	"		ND		30-150				
Methoxychlor	ND	0.000424	"		ND		30-150				
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0857*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0857*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21553 - EPA 3550C											
Matrix Spike Dup (BB21553-M Matrix Spike Dup *Source sample: 22B0289-01 (EP13_7.5)										Prepared: 02/08/2022 Analyzed: 02/09/2022	
4,4'-DDD	ND	0.000424	mg/kg dry	0.0428	ND		30-150	Low Bias		30	
4,4'-DDE	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
4,4'-DDT	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Aldrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
alpha-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
alpha-Chlordane	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
beta-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
delta-BHC	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Dieldrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endosulfan I	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endosulfan II	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endosulfan sulfate	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endrin	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endrin aldehyde	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Endrin ketone	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
gamma-BHC (Lindane)	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
gamma-Chlordane	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Heptachlor	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Heptachlor epoxide	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Methoxychlor	ND	0.000424	"	0.0428	ND		30-150	Low Bias		30	
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0857*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0857*			*30-150*				
Matrix Spike Dup (BB21553-M Matrix Spike Dup *Source sample: 22B0289-01 (EP13_7.5)										Prepared: 02/08/2022 Analyzed: 02/09/2022	
4,4'-DDD	ND	0.000424	mg/kg dry		ND		30-150			30	
4,4'-DDE	ND	0.000424	"		ND		30-150			30	
4,4'-DDT	ND	0.000424	"		ND		30-150			30	
Aldrin	ND	0.000424	"		ND		30-150			30	
alpha-BHC	ND	0.000424	"		ND		30-150			30	
alpha-Chlordane	ND	0.000424	"		ND		30-150			30	
beta-BHC	ND	0.000424	"		ND		30-150			30	
delta-BHC	ND	0.000424	"		ND		30-150			30	
Dieldrin	ND	0.000424	"		ND		30-150			30	
Endosulfan I	ND	0.000424	"		ND		30-150			30	
Endosulfan II	ND	0.000424	"		ND		30-150			30	
Endosulfan sulfate	ND	0.000424	"		ND		30-150			30	
Endrin	ND	0.000424	"		ND		30-150			30	
Endrin aldehyde	ND	0.000424	"		ND		30-150			30	
Endrin ketone	ND	0.000424	"		ND		30-150			30	
gamma-BHC (Lindane)	ND	0.000424	"		ND		30-150			30	
gamma-Chlordane	ND	0.000424	"		ND		30-150			30	
Heptachlor	ND	0.000424	"		ND		30-150			30	
Heptachlor epoxide	ND	0.000424	"		ND		30-150			30	
Methoxychlor	ND	0.000424	"		ND		30-150			30	
Surrogate: Decachlorobiphenyl	*0.00*		*"*	*0.0857*			*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.0857*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21581 - EPA SW846-3510C Low Level											
Blank (BB21581-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.133*		*"*	*0.200*		*66.5*	*30-150*				
Blank (BB21581-BLK2) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21581 - EPA SW846-3510C Low Level											
LCS (BB21581-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	0.0834	0.00400	ug/L	0.100		83.4	40-140				
4,4'-DDE	0.0912	0.00400	"	0.100		91.2	40-140				
4,4'-DDT	0.101	0.00400	"	0.100		101	40-140				
Aldrin	0.0850	0.00400	"	0.100		85.0	40-140				
alpha-BHC	0.0918	0.00400	"	0.100		91.8	40-140				
alpha-Chlordane	0.0872	0.00400	"	0.100		87.2	40-140				
beta-BHC	0.0861	0.00400	"	0.100		86.1	40-140				
delta-BHC	0.0875	0.00400	"	0.100		87.5	40-140				
Dieldrin	0.0922	0.00200	"	0.100		92.2	40-140				
Endosulfan I	0.0895	0.00400	"	0.100		89.5	40-140				
Endosulfan II	0.0889	0.00400	"	0.100		88.9	40-140				
Endosulfan sulfate	0.0743	0.00400	"	0.100		74.3	40-140				
Endrin	0.105	0.00400	"	0.100		105	40-140				
Endrin aldehyde	0.0946	0.0100	"	0.100		94.6	40-140				
Endrin ketone	0.0991	0.0100	"	0.100		99.1	40-140				
gamma-BHC (Lindane)	0.0960	0.00400	"	0.100		96.0	40-140				
gamma-Chlordane	0.0878	0.0100	"	0.100		87.8	40-140				
Heptachlor	0.0967	0.00400	"	0.100		96.7	40-140				
Heptachlor epoxide	0.0928	0.00400	"	0.100		92.8	40-140				
Methoxychlor	0.114	0.00400	"	0.100		114	40-140				
Surrogate: Tetrachloro-m-xylene	*0.114*		*"*	*0.200*		*56.8*	*30-150*				
LCS (BB21581-BS2) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L				40-140				
4,4'-DDE	ND	0.00400	"				40-140				
4,4'-DDT	ND	0.00400	"				40-140				
Aldrin	ND	0.00400	"				40-140				
alpha-BHC	ND	0.00400	"				40-140				
alpha-Chlordane	ND	0.00400	"				40-140				
beta-BHC	ND	0.00400	"				40-140				
delta-BHC	ND	0.00400	"				40-140				
Dieldrin	ND	0.00200	"				40-140				
Endosulfan I	ND	0.00400	"				40-140				
Endosulfan II	ND	0.00400	"				40-140				
Endosulfan sulfate	ND	0.00400	"				40-140				
Endrin	ND	0.00400	"				40-140				
Endrin aldehyde	ND	0.0100	"				40-140				
Endrin ketone	ND	0.0100	"				40-140				
gamma-BHC (Lindane)	ND	0.00400	"				40-140				
gamma-Chlordane	ND	0.0100	"				40-140				
Heptachlor	ND	0.00400	"				40-140				
Heptachlor epoxide	ND	0.00400	"				40-140				
Methoxychlor	ND	0.00400	"				40-140				
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21581 - EPA SW846-3510C Low Level											
LCS Dup (BB21581-BSD1) LCS Dup									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	0.100	0.00400	ug/L	0.100		100	40-140		18.2	20	
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140		11.4	20	
4,4'-DDT	0.116	0.00400	"	0.100		116	40-140		14.1	20	
Aldrin	0.0939	0.00400	"	0.100		93.9	40-140		9.97	20	
alpha-BHC	0.0991	0.00400	"	0.100		99.1	40-140		7.68	20	
alpha-Chlordane	0.0992	0.00400	"	0.100		99.2	40-140		12.9	20	
beta-BHC	0.117	0.00400	"	0.100		117	40-140		30.1	20	Non-dir.
delta-BHC	0.116	0.00400	"	0.100		116	40-140		28.0	20	Non-dir.
Dieldrin	0.103	0.00200	"	0.100		103	40-140		10.9	20	
Endosulfan I	0.0979	0.00400	"	0.100		97.9	40-140		9.02	20	
Endosulfan II	0.0999	0.00400	"	0.100		99.9	40-140		11.6	20	
Endosulfan sulfate	0.0854	0.00400	"	0.100		85.4	40-140		13.9	20	
Endrin	0.118	0.00400	"	0.100		118	40-140		11.9	20	
Endrin aldehyde	0.111	0.0100	"	0.100		111	40-140		15.9	20	
Endrin ketone	0.116	0.0100	"	0.100		116	40-140		15.8	20	
gamma-BHC (Lindane)	0.108	0.00400	"	0.100		108	40-140		11.4	20	
gamma-Chlordane	0.100	0.0100	"	0.100		100	40-140		13.3	20	
Heptachlor	0.121	0.00400	"	0.100		121	40-140		21.9	20	Non-dir.
Heptachlor epoxide	0.101	0.00400	"	0.100		101	40-140		8.88	20	
Methoxychlor	0.124	0.00400	"	0.100		124	40-140		8.50	20	
Surrogate: Tetrachloro-m-xylene	*0.110*		*"*	*0.200*		*54.9*	*30-150*				
LCS Dup (BB21581-BSD2) LCS Dup									Prepared: 02/08/2022 Analyzed: 02/09/2022		
4,4'-DDD	ND	0.00400	ug/L				40-140			20	
4,4'-DDE	ND	0.00400	"				40-140			20	
4,4'-DDT	ND	0.00400	"				40-140			20	
Aldrin	ND	0.00400	"				40-140			20	
alpha-BHC	ND	0.00400	"				40-140			20	
alpha-Chlordane	ND	0.00400	"				40-140			20	
beta-BHC	ND	0.00400	"				40-140			20	
delta-BHC	ND	0.00400	"				40-140			20	
Dieldrin	ND	0.00200	"				40-140			20	
Endosulfan I	ND	0.00400	"				40-140			20	
Endosulfan II	ND	0.00400	"				40-140			20	
Endosulfan sulfate	ND	0.00400	"				40-140			20	
Endrin	ND	0.00400	"				40-140			20	
Endrin aldehyde	ND	0.0100	"				40-140			20	
Endrin ketone	ND	0.0100	"				40-140			20	
gamma-BHC (Lindane)	ND	0.00400	"				40-140			20	
gamma-Chlordane	ND	0.0100	"				40-140			20	
Heptachlor	ND	0.00400	"				40-140			20	
Heptachlor epoxide	ND	0.00400	"				40-140			20	
Methoxychlor	ND	0.00400	"				40-140			20	
Surrogate: Tetrachloro-m-xylene	*0.00*		*"*	*0.200*			*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21553 - EPA 3550C											
Blank (BB21553-BLK2) Blank								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0568*		*"*	*0.0664*		*85.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0585*		*"*	*0.0664*		*88.0*	*30-150*				
LCS (BB21553-BS2) LCS								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	0.246	0.0166	mg/kg wet	0.332		73.9	40-140			30	
Aroclor 1260	0.269	0.0166	"	0.332		81.1	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0462*		*"*	*0.0664*		*69.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0498*		*"*	*0.0664*		*75.0*	*30-150*				
Batch BB21581 - EPA SW846-3510C Low Level											
Blank (BB21581-BLK2) Blank								Prepared & Analyzed: 02/08/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.153*		*"*	*0.200*		*76.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.126*		*"*	*0.200*		*63.0*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21581 - EPA SW846-3510C Low Level											
LCS (BB21581-BS2) LCS							Prepared & Analyzed: 02/08/2022				
Aroclor 1016	0.888	0.0500	ug/L	1.00		88.8	40-120				
Aroclor 1260	0.828	0.0500	"	1.00		82.8	40-120				
Surrogate: Tetrachloro-m-xylene	*0.136*		*"*	*0.200*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.102*		*"*	*0.200*		*51.0*	*30-120*				
LCS Dup (BB21581-BSD2) LCS Dup							Prepared & Analyzed: 02/08/2022				
Aroclor 1016	0.910	0.0500	ug/L	1.00		91.0	40-120		2.49	30	
Aroclor 1260	0.883	0.0500	"	1.00		88.3	40-120		6.45	30	
Surrogate: Tetrachloro-m-xylene	*0.140*		*"*	*0.200*		*70.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.108*		*"*	*0.200*		*54.0*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21582 - EPA 3550C/8151A											
Blank (BB21582-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.254*		*"*	*0.415*		*61.2*	*21-150*				
LCS (BB21582-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0507	0.0199	mg/kg wet	0.133		38.1	10-120				
2,4,5-TP (Silvex)	0.0623	0.0199	"	0.133		46.9	10-120				
2,4-D	0.0581	0.0199	"	0.133		43.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.255*		*"*	*0.415*		*61.4*	*21-150*				
Matrix Spike (BB21582-MS1) Matrix Spike *Source sample: 22B0289-01 (EP13_7.5)									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0825	0.0257	mg/kg dry	0.171	ND	48.1	10-120				
2,4,5-TP (Silvex)	0.0867	0.0257	"	0.171	ND	50.6	10-120				
2,4-D	0.0921	0.0257	"	0.171	ND	53.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.293*		*"*	*0.535*		*54.8*	*21-150*				
Matrix Spike Dup (BB21582-M Matrix Spike Dup *Source sample: 22B0289-01 (EP13_7.5)									Prepared: 02/08/2022 Analyzed: 02/09/2022		
2,4,5-T	0.0696	0.0257	mg/kg dry	0.171	ND	40.6	10-120		16.9	35	
2,4,5-TP (Silvex)	0.0728	0.0257	"	0.171	ND	42.5	10-120		17.4	35	
2,4-D	0.0760	0.0257	"	0.171	ND	44.4	10-118		19.1	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.246*		*"*	*0.535*		*46.0*	*21-150*				
Batch BB21643 - EPA 8151A											
Blank (BB21643-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*88.5*		*"*	*125*		*70.8*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21643 - EPA 8151A											
LCS (BB21643-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	18.5	5.00	ug/L	40.0		46.2	10-140				
2,4,5-TP (Silvex)	21.2	5.00	"	40.0		53.1	10-139				
2,4-D	20.5	5.00	"	40.0		51.2	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*78.8*		*"*	*125*		*63.0*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Blank (BB21595-BLK1) Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.105	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BB21595-BS1) LCS									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	2.33		ug/mL	2.00		117	80-120				
Barium	2.45		"	2.00		123	80-120	High Bias			
Calcium	1.28		"	1.00		128	80-120	High Bias			
Chromium	0.233		"	0.200		116	80-120				
Cobalt	0.610		"	0.500		122	80-120	High Bias			
Copper	0.298		"	0.250		119	80-120				
Iron	1.26		"	1.00		126	80-120	High Bias			
Lead	0.601		"	0.500		120	80-120				
Magnesium	1.23		"	1.00		123	80-120	High Bias			
Manganese	0.611		"	0.500		122	80-120	High Bias			
Nickel	0.594		"	0.500		119	80-120				
Potassium	1.23		"	1.00		123	80-120	High Bias			
Silver	0.0561		"	0.0500		112	80-120				
Sodium	1.15		"	1.00		115	80-120				
Vanadium	0.592		"	0.500		118	80-120				
Zinc	0.566		"	0.500		113	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Duplicate (BB21595-DUP1) Duplicate	*Source sample: 22B0058-03 (Duplicate)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	0.442	0.0556	mg/L		0.946				72.7	20	Non-dir.
Barium	ND	0.0278	"		ND					20	
Calcium	674	0.0556	"		680				0.792	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	0.00468	0.00444	"		0.00472				0.880	20	
Copper	ND	0.0222	"		ND					20	
Iron	166	0.278	"		166				0.00867	20	
Lead	0.00784	0.00556	"		0.00619				23.5	20	Non-dir.
Magnesium	54.8	0.0556	"		54.7				0.0932	20	
Manganese	2.06	0.00556	"		2.08				0.813	20	
Nickel	0.0218	0.0111	"		0.0249				13.1	20	
Potassium	50.2	0.0556	"		50.5				0.578	20	
Silver	ND	0.00556	"		ND					20	
Sodium	225	0.556	"		228				1.48	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	5.63	0.0278	"		5.64				0.131	20	
Matrix Spike (BB21595-MS1) Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	3.03	0.0556	mg/L	2.22	0.946	93.9	75-125				
Barium	2.58	0.0278	"	2.22	ND	116	75-125				
Calcium	666	0.0556	"	1.11	680	NR	75-125	Low Bias			
Chromium	0.254	0.00556	"	0.222	ND	114	75-125				
Cobalt	0.654	0.00444	"	0.556	0.00472	117	75-125				
Copper	0.336	0.0222	"	0.278	ND	121	75-125				
Iron	167	0.278	"	1.11	166	91.3	75-125				
Lead	0.636	0.00556	"	0.556	0.00619	113	75-125				
Magnesium	55.6	0.0556	"	1.11	54.7	84.9	75-125				
Manganese	2.72	0.00556	"	0.556	2.08	114	75-125				
Nickel	0.707	0.0111	"	0.556	0.0249	123	75-125				
Potassium	51.6	0.0556	"	1.11	50.5	97.3	75-125				
Silver	0.0626	0.00556	"	0.0556	ND	113	75-125				
Sodium	227	0.556	"	1.11	228	NR	75-125	Low Bias			
Vanadium	0.639	0.0111	"	0.556	ND	115	75-125				
Zinc	6.11	0.0278	"	0.556	5.64	84.6	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21595 - EPA 3015A											
Post Spike (BB21595-PS1) Post Spike	*Source sample: 22B0058-03 (Post Spike)							Prepared: 02/08/2022 Analyzed: 02/09/2022			
Aluminum	3.24		ug/mL	2.00	0.851	120	75-125				
Barium	2.38		"	2.00	0.0230	118	75-125				
Calcium	617		"	1.00	612	482	75-125	High Bias			
Chromium	0.236		"	0.200	-0.00108	118	75-125				
Cobalt	0.607		"	0.500	0.00425	121	75-125				
Copper	0.313		"	0.250	-0.00101	125	75-125				
Iron	156		"	1.00	150	634	75-125	High Bias			
Lead	0.591		"	0.500	0.00557	117	75-125				
Magnesium	51.8		"	1.00	49.2	256	75-125	High Bias			
Manganese	2.49		"	0.500	1.87	124	75-125				
Nickel	0.658		"	0.500	0.0224	127	75-125	High Bias			
Potassium	47.8		"	1.00	45.5	231	75-125	High Bias			
Silver	0.0505		"	0.0500	-0.000364	101	75-125				
Sodium	208		"	1.00	206	245	75-125	High Bias			
Vanadium	0.591		"	0.500	-0.00165	118	75-125				
Zinc	5.58		"	0.500	5.07	102	75-125				
Batch BB21600 - EPA 3050B											
Blank (BB21600-BLK1) Blank								Prepared: 02/08/2022 Analyzed: 02/09/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	246	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	24.1	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	8.29	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21600 - EPA 3050B											
Duplicate (BB21600-DUP1) Duplicate	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	7420	6.45	mg/kg dry		10000				29.9	35	
Antimony	ND	3.22	"		3.44					35	
Arsenic	ND	1.93	"		ND					35	
Barium	67.9	3.22	"		81.7				18.3	35	
Beryllium	ND	0.064	"		ND					35	
Cadmium	ND	0.387	"		ND					35	
Calcium	11300	6.45	"		8210				31.8	35	
Chromium	60.3	0.645	"		82.7				31.4	35	
Cobalt	24.8	0.516	"		28.9				15.3	35	
Copper	58.4	2.58	"		64.3				9.65	35	
Iron	20200	32.2	"		27700				31.2	35	
Lead	135	0.645	"		193				35.6	35	Non-dir.
Magnesium	19600	6.45	"		23300				17.2	35	
Manganese	265	0.645	"		385				36.9	35	Non-dir.
Nickel	389	1.29	"		430				9.95	35	
Potassium	1060	6.45	"		1820				53.0	35	Non-dir.
Selenium	ND	3.22	"		ND					35	
Silver	ND	0.645	"		ND					35	
Sodium	308	64.5	"		394				24.5	35	
Thallium	ND	3.22	"		ND					35	
Vanadium	30.0	1.29	"		39.7				27.7	35	
Zinc	151	3.22	"		161				6.61	35	
Matrix Spike (BB21600-MS1) Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	8340	6.45	mg/kg dry	258	10000	NR	75-125	Low Bias			
Antimony	10.0	3.22	"	32.2	3.44	20.4	75-125	Low Bias			
Arsenic	308	1.93	"	258	ND	119	75-125				
Barium	412	3.22	"	258	81.7	128	75-125	High Bias			
Beryllium	7.24	0.064	"	6.45	ND	112	75-125				
Cadmium	8.06	0.387	"	6.45	ND	125	75-125				
Calcium	8300	6.45	"	129	8210	69.8	75-125	Low Bias			
Chromium	97.2	0.645	"	25.8	82.7	56.0	75-125	Low Bias			
Cobalt	106	0.516	"	64.5	28.9	120	75-125				
Copper	99.7	2.58	"	32.2	64.3	110	75-125				
Iron	20900	32.2	"	129	27700	NR	75-125	Low Bias			
Lead	232	0.645	"	64.5	193	60.2	75-125	Low Bias			
Magnesium	18700	6.45	"	129	23300	NR	75-125	Low Bias			
Manganese	360	0.645	"	64.5	385	NR	75-125	Low Bias			
Nickel	457	1.29	"	64.5	430	42.6	75-125	Low Bias			
Potassium	1590	6.45	"	129	1820	NR	75-125	Low Bias			
Selenium	252	3.22	"	258	ND	97.6	75-125				
Silver	8.20	0.645	"	6.45	ND	127	75-125	High Bias			
Sodium	546	64.5	"	129	394	118	75-125				
Thallium	295	3.22	"	258	ND	114	75-125				
Vanadium	119	1.29	"	64.5	39.7	122	75-125				
Zinc	239	3.22	"	64.5	161	121	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21600 - EPA 3050B											
Post Spike (BB21600-PS1) Post Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	78.3		ug/mL	2.00	77.8	25.2	75-125	Low Bias			
Antimony	0.327		"	0.250	0.027	120	75-125				
Arsenic	2.20		"	2.00	0.014	109	75-125				
Barium	3.00		"	2.00	0.633	118	75-125				
Beryllium	0.050		"	0.0500	-0.007	99.5	75-125				
Cadmium	0.056		"	0.0500	0.0002	112	75-125				
Calcium	63.8		"	1.00	63.7	9.31	75-125	Low Bias			
Chromium	0.866		"	0.200	0.642	112	75-125				
Cobalt	0.804		"	0.500	0.224	116	75-125				
Copper	0.799		"	0.250	0.499	120	75-125				
Iron	213		"	1.00	215	NR	75-125	Low Bias			
Lead	2.09		"	0.500	1.50	119	75-125				
Magnesium	179		"	1.00	181	NR	75-125	Low Bias			
Manganese	3.57		"	0.500	2.99	117	75-125				
Nickel	3.93		"	0.500	3.33	120	75-125				
Potassium	14.4		"	1.00	14.1	23.5	75-125	Low Bias			
Selenium	1.72		"	2.00	-0.137	85.9	75-125				
Silver	0.050		"	0.0500	-0.003	99.6	75-125				
Sodium	4.08		"	1.00	3.06	102	75-125				
Thallium	2.09		"	2.00	-0.029	105	75-125				
Vanadium	0.895		"	0.500	0.308	117	75-125				
Zinc	1.85		"	0.500	1.25	121	75-125				
Reference (BB21600-SRM1) Reference									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Aluminum	10400	5.00	mg/kg wet	8130		128	49.9-150.1				
Antimony	72.6	2.50	"	134		54.2	19.3-250				
Arsenic	172	1.50	"	156		111	69.9-130.1				
Barium	284	2.50	"	239		119	74.9-124.7				
Beryllium	191	0.050	"	169		113	75.1-125.4				
Cadmium	144	0.300	"	137		105	75.2-124.8				
Calcium	5350	5.00	"	4760		112	72.7-127.5				
Chromium	169	0.500	"	154		110	70.1-129.9				
Cobalt	139	0.400	"	121		115	75-124.8				
Copper	67.2	2.00	"	54.9		122	74.9-125				
Iron	16800	25.0	"	14100		119	34.9-164.5				
Lead	144	0.500	"	130		111	71.8-128.5				
Magnesium	2660	5.00	"	2320		115	62.1-137.9				
Manganese	310	0.500	"	269		115	74-126.4				
Nickel	69.2	1.00	"	53.9		128	69.9-129.9				
Potassium	2420	5.00	"	2020		120	58.9-141.1				
Selenium	126	2.50	"	167		75.7	67.7-132.3				
Silver	37.1	0.500	"	33.6		110	68.5-131.3				
Sodium	165	50.0	"	133		124	35-165.4				
Thallium	112	2.50	"	112		99.9	67.9-131.3				
Vanadium	70.0	1.00	"	62.6		112	59.1-141.1				
Zinc	172	2.50	"	158		109	70.3-129.7				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21556 - EPA 3015A											
Blank (BB21556-BLK1) Blank								Prepared & Analyzed: 02/08/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB21556-BS1) LCS								Prepared & Analyzed: 02/08/2022			
Antimony	49.8		ug/L	50.0		99.6	80-120				
Arsenic	49.5		"	50.0		99.0	80-120				
Beryllium	51.3		"	50.0		103	80-120				
Cadmium	48.7		"	50.0		97.3	80-120				
Selenium	48.6		"	50.0		97.2	80-120				
Thallium	50.0		"	50.0		100	80-120				
Duplicate (BB21556-DUP1) Duplicate *Source sample: 22B0034-09 (Duplicate)								Prepared & Analyzed: 02/08/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00219	0.00111	"		0.00226				3.45	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00159	0.00111	"		ND					20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BB21556-MS1) Matrix Spike *Source sample: 22B0034-09 (Matrix Spike)								Prepared & Analyzed: 02/08/2022			
Antimony	43.7		ug/L	50.0	0.125	87.2	75-125				
Arsenic	52.4		"	50.0	2.04	101	75-125				
Beryllium	35.6		"	50.0	0.002	71.2	75-125	Low Bias			
Cadmium	47.9		"	50.0	0.021	95.8	75-125				
Selenium	49.2		"	50.0	0.527	97.3	75-125				
Thallium	50.5		"	50.0	0.008	101	75-125				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21536 - EPA SW846-7470A												
Blank (BB21536-BLK1)	Blank									Prepared & Analyzed: 02/07/2022		
Mercury		ND	0.0002	mg/L								
LCS (BB21536-BS1)	LCS									Prepared & Analyzed: 02/07/2022		
Mercury		0.0021230	0.0002	mg/L	0.00200		106	80-120				
Duplicate (BB21536-DUP1)	Duplicate	*Source sample: 22B0058-03 (Duplicate)								Prepared & Analyzed: 02/07/2022		
Mercury		ND	0.0002	mg/L		ND					20	
Matrix Spike (BB21536-MS1)	Matrix Spike	*Source sample: 22B0058-03 (Matrix Spike)								Prepared & Analyzed: 02/07/2022		
Mercury		0.0019	0.0002	mg/L	0.00200	ND	96.9	75-125				
Batch BB21624 - EPA 7473 soil												
Blank (BB21624-BLK1)	Blank									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB21624-DUP1)	Duplicate	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Mercury		0.369	0.0387	mg/kg dry		0.474				24.9	35	
Matrix Spike (BB21624-MS1)	Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared: 02/08/2022 Analyzed: 02/09/2022		
Mercury		0.705		mg/kg	0.500	0.368	67.4	75-125	Low Bias			
Reference (BB21624-SRM1)	Reference									Prepared: 02/08/2022 Analyzed: 02/09/2022		
Mercury		26.398		mg/kg	27.2		97.1	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21544 - Analysis Preparation												
Blank (BB21544-BLK1)	Blank									Prepared & Analyzed: 02/07/2022		
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB21544-BS1)	LCS									Prepared & Analyzed: 02/07/2022		
Chromium, Hexavalent		0.488	0.0100	mg/L	0.500		97.6	80-120				
Duplicate (BB21544-DUP1)	Duplicate	*Source sample: 22B0258-01 (Duplicate)								Prepared & Analyzed: 02/07/2022		
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB21544-MS1)	Matrix Spike	*Source sample: 22B0258-01 (Matrix Spike)								Prepared & Analyzed: 02/07/2022		
Chromium, Hexavalent		0.513	0.0100	mg/L	0.500	ND	103	75-125				
Batch BB21560 - Analysis Preparation Soil												
Blank (BB21560-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21560-DUP1)	Duplicate	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.645	mg/kg dry		ND					15	
Matrix Spike (BB21560-MS1)	Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		10.8	0.645	mg/kg dry	12.9	ND	84.1	79.6-107				
Reference (BB21560-SRM1)	Reference									Prepared & Analyzed: 02/08/2022		
Cyanide, total		108		ug/mL	86.8		125	41.82-157.83				
Batch BB21561 - EPA SW846-3060												
Blank (BB21561-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21561 - EPA SW846-3060												
Duplicate (BB21561-DUP1)	Duplicate	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		ND	0.645	mg/kg dry		ND					35	
Matrix Spike (BB21561-MS1)	Matrix Spike	*Source sample: 22B0289-01 (EP13_7.5)								Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		ND	0.645	mg/kg dry	25.8	ND		75-125	Low Bias			
Reference (BB21561-SRM1)	Reference									Prepared & Analyzed: 02/08/2022		
Chromium, Hexavalent		90.7		mg/L	109		83.2	30-169.7				
Batch BB21562 - Analysis Preparation												
Blank (BB21562-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BB21562-BS1)	LCS									Prepared & Analyzed: 02/08/2022		
Cyanide, total		0.205	0.0100	mg/L	0.200		102	76.2-107				
Duplicate (BB21562-DUP1)	Duplicate	*Source sample: 22B0106-12 (Duplicate)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BB21562-MS1)	Matrix Spike	*Source sample: 22B0106-12 (Matrix Spike)								Prepared & Analyzed: 02/08/2022		
Cyanide, total		0.202	0.0100	mg/L	0.200	ND	101	79-105				
Batch BB21604 - Analysis Preparation Soil												
Blank (BB21604-BLK1)	Blank									Prepared & Analyzed: 02/08/2022		
Cyanide, total		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21604 - Analysis Preparation Soil											
Duplicate (BB21604-DUP1) Duplicate	*Source sample: 22B0232-05 (Duplicate)								Prepared & Analyzed: 02/08/2022		
Cyanide, total	1.25	0.642	mg/kg dry		1.19				4.57	15	
Matrix Spike (BB21604-MS1) Matrix Spike	*Source sample: 22B0232-05 (Matrix Spike)								Prepared & Analyzed: 02/08/2022		
Cyanide, total	2.30	0.642	mg/kg dry	12.8	1.19	8.62	79.6-107	Low Bias			
Reference (BB21604-SRM1) Reference									Prepared & Analyzed: 02/08/2022		
Cyanide, total	93.8		ug/mL	86.8		108	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21568 - % Solids Prep											
Duplicate (BB21568-DUP1) Duplicate	*Source sample: 22B0289-01 (EP13_7.5)							Prepared & Analyzed: 02/08/2022			
% Solids	78.3	0.100	%		77.6				0.976	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0289-01	EP13_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0289-02	EP15_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0289-03	EP42_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0289-04	EP52_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0289-05	FB02_02072022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0289-07	TB02_02072022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0289

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Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company:
Address: 360 West 31st St 8th floor, New York, NY	Address: 360 West 31st Street 8th Floor, New York, NY	Address:
Phone: 212-479-5400	Phone: 212-479-5400	Phone:
Contact: Kim Semon	Contact: Kim Semon	Contact:
E-mail: Ksemon@langan.com	E-mail: Ksemon@langan.com	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	X
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP13_7.5	S	02/07/2022 13:30	TAL Part 375 VOCs and SVOCs, PCBs, Pesticides, herbicides, metals including cyanide, hex & trivalent chromium, PFAS, 1,4-dioxane *	MS/MSD
EP15_7.5	↓	13:00		
EP42_7.5		15:15	* RWD for all sampling	
EP52_7.5		15:30		
FB02_02072022	Other AQ	1200		
FB01_PFAS_02072022	↓	1200	PFAS	
TB02_02072022		1400	VOCs	

Comments: Please include tesmail@langan.com and maronica@langan.com on all correspondance.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Jessica Field/Langan	02/07/2022 16:30	Neal B York Yorks 2-7-22	1630	Neal B York Yorks 2-7-22	1745
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Andrew S. York	2/7/22 1745	Andrew S York	2/7/22 2024		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlocker 2/7/22	2024 / 1.3 Degrees C

Technical Report

prepared for:

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

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0437

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0437

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 09, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0437-01	EP50_7.5	Soil	02/09/2022	02/09/2022
22B0437-02	EP40_7.5	Soil	02/09/2022	02/09/2022
22B0437-03	EP51_7.5	Soil	02/09/2022	02/09/2022
22B0437-04	EP41_7.5	Soil	02/09/2022	02/09/2022
22B0437-05	EP16_6.5	Soil	02/09/2022	02/09/2022
22B0437-06	EP17_6.5	Soil	02/09/2022	02/09/2022
22B0437-07	EP18_6.5	Soil	02/09/2022	02/09/2022
22B0437-08	EP19_6.5	Soil	02/09/2022	02/09/2022
22B0437-09	FB01_PFAS_02092022	Water	02/09/2022	02/09/2022

General Notes for York Project (SDG) No.: 22B0437

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

Approved By **Date:** 02/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.011**	J	mg/kg dry	0.0064	0.013	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0985	0.197	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0494	0.0985	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	02/10/2022 07:53	02/11/2022 11:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*60.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*53.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*67.7 %*	*24-116*

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 13:58	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.910**		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:01	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*66.7 %*	*25-150*
Surrogate: M5PFHxA	*72.2 %*	*25-150*
Surrogate: M4PFHpA	*58.4 %*	*25-150*
Surrogate: M3PFHxS	*79.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*75.9 %*	*25-150*
Surrogate: M6PFDA	*72.7 %*	*25-150*
Surrogate: M7PFUdA	*74.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.5 %*	*25-150*
Surrogate: M2PFTeDA	*46.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*63.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*63.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*94.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*86.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*113 %*	*25-200*
Surrogate: M2-8:2 FTS	*109 %*	*25-200*
Surrogate: M9PFNA	*85.6 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 17:49	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 17:49	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 17:49	CM

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B	02/10/2022 07:51	02/11/2022 17:49	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.6 %*	*30-150*

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:03	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*56.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6670**		mg/kg dry	5.95	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.97	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP50_7.5** **York Sample ID:** **22B0437-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**7.39**		mg/kg dry	1.78	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**351**		mg/kg dry	2.97	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.19**		mg/kg dry	0.357	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**30600**	B	mg/kg dry	5.95	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**36.2**		mg/kg dry	0.595	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.8**		mg/kg dry	0.476	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**57.6**		mg/kg dry	2.38	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17500**		mg/kg dry	29.7	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**746**		mg/kg dry	0.595	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8640**		mg/kg dry	5.95	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**343**		mg/kg dry	0.595	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**111**		mg/kg dry	1.19	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**945**		mg/kg dry	5.95	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.97	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.595	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**256**		mg/kg dry	59.5	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.97	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.4**		mg/kg dry	1.19	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**412**	B	mg/kg dry	2.97	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP50_7.5 **York Sample ID:** 22B0437-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:20 am	02/09/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.250**		mg/kg dry	0.0357	1	EPA 7473	02/10/2022 09:33	02/10/2022 14:50	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.595	1	EPA 7196A	02/10/2022 09:39	02/10/2022 15:44	TJA
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**36.2**		mg/kg	0.500	1	Calculation	02/14/2022 12:41	02/14/2022 12:42	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.595	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.1**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.196	0.392	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.196	0.392	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0924**	J	mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	**Di-n-octyl phthalate**	**0.0650**	J	mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0979	0.196	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0491	0.0979	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.392	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*73.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*66.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*65.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*85.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.0 %*	*24-116*

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 14:15	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*50.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.376**		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL

Sample Information

Client Sample ID: **EP40_7.5** **York Sample ID:** **22B0437-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.275	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:13	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.7 %*	*25-150*
Surrogate: M5PFHxA	*103 %*	*25-150*
Surrogate: M4PFHpA	*85.2 %*	*25-150*
Surrogate: M3PFHxS	*108 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*97.9 %*	*25-150*
Surrogate: M7PFUdA	*92.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*84.0 %*	*25-150*
Surrogate: M2PFTeDA	*64.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*100 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*87.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*104 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*108 %*	*25-150*
Surrogate: M2-6:2 FTS	*92.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*96.5 %*	*25-200*
Surrogate: M9PFNA	*105 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:06	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:06	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:06	CM

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:06	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.1 %*	*30-150*

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:17	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0236	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0236	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0236	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:25	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*71.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7210**		mg/kg dry	5.93	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.96	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.45**		mg/kg dry	1.78	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**101**		mg/kg dry	2.96	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.356	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**17800**	B	mg/kg dry	5.93	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**37.7**		mg/kg dry	0.593	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**14.4**		mg/kg dry	0.474	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**53.2**		mg/kg dry	2.37	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17500**		mg/kg dry	29.6	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**205**		mg/kg dry	0.593	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**11500**		mg/kg dry	5.93	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**343**		mg/kg dry	0.593	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**163**		mg/kg dry	1.19	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**865**		mg/kg dry	5.93	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.96	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.593	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**426**		mg/kg dry	59.3	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.96	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.0**		mg/kg dry	1.19	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**139**	B	mg/kg dry	2.96	1	EPA 6010D	02/10/2022 14:51	02/11/2022 14:59	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP40_7.5 **York Sample ID:** 22B0437-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 10:30 am	02/09/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.336**		mg/kg dry	0.0356	1	EPA 7473	02/10/2022 09:33	02/10/2022 15:04	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.593	1	EPA 7196A	02/10/2022 09:39	02/10/2022 15:44	TJA
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**37.7**		mg/kg	0.500	1	Calculation	02/14/2022 12:41	02/14/2022 12:42	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.593	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.3**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.096	0.19	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.011**	J	mg/kg dry	0.0096	0.019	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.029	1	EPA 8260C	02/10/2022 06:06	02/10/2022 19:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/10/2022 07:53	02/10/2022 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*56.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*50.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*49.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*56.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*70.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*57.2 %*	*24-116*

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 14:32	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.279	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:26	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.4 %*	*25-150*
Surrogate: M5PFHxA	*94.0 %*	*25-150*
Surrogate: M4PFHpA	*81.1 %*	*25-150*
Surrogate: M3PFHxS	*97.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*91.4 %*	*25-150*
Surrogate: M6PFDA	*94.1 %*	*25-150*
Surrogate: M7PFUdA	*95.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*80.1 %*	*25-150*
Surrogate: M2PFTeDA	*67.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*96.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*85.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*104 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*113 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*105 %*	*25-200*
Surrogate: M9PFNA	*103 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:23	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:23	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:23	CM

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:23	CM
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.1 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*26.2 %*	S-GC	*30-150*

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:30	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.0 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.0 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*7.80 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6900**		mg/kg dry	5.67	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP51_7.5** **York Sample ID:** **22B0437-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.42**		mg/kg dry	1.70	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**82.1**		mg/kg dry	2.83	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.340	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**18700**	B	mg/kg dry	5.67	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**48.0**		mg/kg dry	0.567	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**23.0**		mg/kg dry	0.454	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**44.5**		mg/kg dry	2.27	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21300**		mg/kg dry	28.3	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**210**		mg/kg dry	0.567	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**17500**		mg/kg dry	5.67	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**336**		mg/kg dry	0.567	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**312**		mg/kg dry	1.13	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**910**		mg/kg dry	5.67	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**286**		mg/kg dry	56.7	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.7**		mg/kg dry	1.13	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**125**	B	mg/kg dry	2.83	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP51_7.5 **York Sample ID:** 22B0437-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 12:50 pm	02/09/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.211**		mg/kg dry	0.0340	1	EPA 7473	02/10/2022 09:33	02/10/2022 15:12	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.567	1	EPA 7196A	02/10/2022 09:39	02/10/2022 15:44	TJA
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**48.0**		mg/kg	0.500	1	Calculation	02/14/2022 12:41	02/14/2022 12:42	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.567	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.2**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.082	0.16	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0041	0.0082	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.025	1	EPA 8260C	02/10/2022 06:06	02/10/2022 20:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*55.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.4 %*	*24-116*

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 14:49	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.409**		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	02/10/2022 11:13	02/11/2022 15:38	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.0 %*	*25-150*
Surrogate: M5PFHxA	*91.3 %*	*25-150*
Surrogate: M4PFHpA	*77.3 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.9 %*	*25-150*
Surrogate: M6PFDA	*101 %*	*25-150*
Surrogate: M7PFUdA	*90.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*79.3 %*	*25-150*
Surrogate: M2PFTeDA	*56.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*98.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*109 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*121 %*	*25-150*
Surrogate: M2-6:2 FTS	*155 %*	*25-200*
Surrogate: M2-8:2 FTS	*142 %*	*25-200*
Surrogate: M9PFNA	*99.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:39	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:39	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/10/2022 07:51	02/11/2022 18:39	CM

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.187	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B	02/10/2022 07:51	02/11/2022 18:39	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.5 %*	*30-150*

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	02/10/2022 07:51	02/11/2022 00:44	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0228	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A	02/10/2022 07:49	02/11/2022 18:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*66.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5800**		mg/kg dry	5.75	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.12**		mg/kg dry	1.73	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**87.4**		mg/kg dry	2.88	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.359**		mg/kg dry	0.345	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**18900**	B	mg/kg dry	5.75	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**28.1**		mg/kg dry	0.575	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.2**		mg/kg dry	0.460	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.5**		mg/kg dry	2.30	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15600**		mg/kg dry	28.8	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**152**		mg/kg dry	0.575	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7220**		mg/kg dry	5.75	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**243**		mg/kg dry	0.575	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**85.9**		mg/kg dry	1.15	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**850**		mg/kg dry	5.75	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.575	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**399**		mg/kg dry	57.5	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**36.3**		mg/kg dry	1.15	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**140**	B	mg/kg dry	2.88	1	EPA 6010D	02/10/2022 14:51	02/11/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP41_7.5 **York Sample ID:** 22B0437-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 1:00 pm	02/09/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.258**		mg/kg dry	0.0345	1	EPA 7473	02/10/2022 09:33	02/10/2022 15:21	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.575	1	EPA 7196A	02/10/2022 09:39	02/10/2022 15:44	TJA
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**28.1**		mg/kg	0.500	1	Calculation	02/14/2022 12:41	02/14/2022 12:42	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.575	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP16_6.5 **York Sample ID:** 22B0437-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 11:05 am	02/09/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	02/10/2022 07:53	02/10/2022 21:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*56.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*59.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.0**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP17_6.5 **York Sample ID:** 22B0437-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 11:00 am	02/09/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**78.7**		mg/kg dry	0.595	1	EPA 6010D	02/10/2022 14:51	02/11/2022 12:48	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0869**		mg/kg dry	0.0357	1	EPA 7473	02/10/2022 09:32	02/10/2022 14:29	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.0**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP18_6.5 **York Sample ID:** 22B0437-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 11:10 am	02/09/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0585	0.117	2	EPA 8270D	02/10/2022 07:53	02/10/2022 22:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0585	0.117	2	EPA 8270D	02/10/2022 07:53	02/10/2022 22:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0585	0.117	2	EPA 8270D	02/10/2022 07:53	02/10/2022 22:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		mg/kg dry	0.0585	0.117	2	EPA 8270D	02/10/2022 07:53	02/10/2022 22:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0585	0.117	2	EPA 8270D	02/10/2022 07:53	02/10/2022 22:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*44.2 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**70.8**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP19_6.5 **York Sample ID:** 22B0437-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Soil	February 9, 2022 11:15 am	02/09/2022

Arsenic by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**18.9**		mg/kg dry	2.18	1	EPA 6010D	02/10/2022 14:51	02/11/2022 12:50	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**68.7**		%	0.100	1	SM 2540G	02/10/2022 10:15	02/10/2022 14:28	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: FB01_PFAS_02092022 **York Sample ID:** 22B0437-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Water	February 9, 2022 1:30 pm	02/09/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/10/2022 12:01	02/10/2022 18:48	WL

Sample Information

Client Sample ID: FB01_PFAS_02092022 **York Sample ID:** 22B0437-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0437	170610601	Water	February 9, 2022 1:30 pm	02/09/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m	02/10/2022 12:01	02/10/2022 18:48	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.7 %*	*25-150*
Surrogate: M5PFHxA	*82.0 %*	*25-150*
Surrogate: M4PFHpA	*75.5 %*	*25-150*
Surrogate: M3PFHxS	*81.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*73.9 %*	*25-150*
Surrogate: M6PFDA	*77.0 %*	*25-150*
Surrogate: M7PFUdA	*74.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*56.8 %*	*25-150*
Surrogate: M2PFTeDA	*34.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*76.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*29.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*80.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*89.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*93.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*76.3 %*	*25-200*
Surrogate: M9PFNA	*80.2 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21710 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
BB21710-BLK1	Blank	02/10/22
BB21710-BS1	LCS	02/10/22
BB21710-MS1	Matrix Spike	02/10/22
BB21710-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21711 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
BB21711-BLK1	Blank	02/10/22
BB21711-BLK2	Blank	02/10/22
BB21711-BS1	LCS	02/10/22
BB21711-BS2	LCS	02/10/22
BB21711-MS2	Matrix Spike	02/10/22
BB21711-MSD2	Matrix Spike Dup	02/10/22

Batch ID: BB21712 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
22B0437-05	EP16_6.5	02/10/22
22B0437-07	EP18_6.5	02/10/22
BB21712-BLK1	Blank	02/10/22
BB21712-BS1	LCS	02/10/22
BB21712-MS1	Matrix Spike	02/10/22
BB21712-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21723 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date

22B0437-06	EP17_6.5	02/10/22
BB21723-BLK1	Blank	02/10/22
BB21723-DUP1	Duplicate	02/10/22
BB21723-MS1	Matrix Spike	02/10/22
BB21723-SRM1	Reference	02/10/22

Batch ID: BB21724 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
BB21724-BLK1	Blank	02/10/22
BB21724-DUP1	Duplicate	02/10/22
BB21724-MS1	Matrix Spike	02/10/22
BB21724-SRM1	Reference	02/10/22

Batch ID: BB21725 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
BB21725-BLK1	Blank	02/10/22
BB21725-DUP1	Duplicate	02/10/22
BB21725-MS1	Matrix Spike	02/10/22
BB21725-SRM1	Reference	02/10/22

Batch ID: BB21729 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
22B0437-05	EP16_6.5	02/10/22
22B0437-06	EP17_6.5	02/10/22
22B0437-07	EP18_6.5	02/10/22
22B0437-08	EP19_6.5	02/10/22
BB21729-DUP1	Duplicate	02/10/22

Batch ID: BB21731 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22

22B0437-04	EP41_7.5	02/10/22
BB21731-BLK1	Blank	02/10/22
BB21731-BS1	LCS	02/10/22
BB21731-MS1	Matrix Spike	02/10/22
BB21731-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21745 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-09	FB01_PFAS_02092022	02/10/22
BB21745-BLK1	Blank	02/10/22
BB21745-BS1	LCS	02/10/22
BB21745-MS1	Matrix Spike	02/10/22
BB21745-MSD1	Matrix Spike Dup	02/10/22

Batch ID: BB21761 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
22B0437-06	EP17_6.5	02/10/22
22B0437-08	EP19_6.5	02/10/22
BB21761-BLK1	Blank	02/10/22
BB21761-DUP1	Duplicate	02/10/22
BB21761-MS1	Matrix Spike	02/10/22
BB21761-PS1	Post Spike	02/10/22

Batch ID: BB21766 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/10/22
22B0437-02	EP40_7.5	02/10/22
22B0437-03	EP51_7.5	02/10/22
22B0437-04	EP41_7.5	02/10/22
BB21766-BLK1	Blank	02/10/22
BB21766-BLK2	Blank	02/10/22
BB21766-BLK3	Blank	02/10/22
BB21766-BLK4	Blank	02/10/22
BB21766-BS1	LCS	02/10/22
BB21766-BSD1	LCS Dup	02/10/22

Batch ID: BB21787 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/11/22
22B0437-02	EP40_7.5	02/11/22
22B0437-03	EP51_7.5	02/11/22

22B0437-04	EP41_7.5	02/11/22
BB21787-BLK1	Blank	02/11/22
BB21787-BS1	LCS	02/11/22
BB21787-MS1	Matrix Spike	02/11/22
BB21787-MSD1	Matrix Spike Dup	02/11/22

Batch ID: BB21796 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/11/22
22B0437-02	EP40_7.5	02/11/22
22B0437-03	EP51_7.5	02/11/22
22B0437-04	EP41_7.5	02/11/22
BB21796-BLK1	Blank	02/11/22
BB21796-DUP1	Duplicate	02/11/22
BB21796-MS1	Matrix Spike	02/11/22
BB21796-SRM1	Reference	02/11/22

Batch ID: BB21897 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0437-01	EP50_7.5	02/14/22
22B0437-02	EP40_7.5	02/14/22
22B0437-03	EP51_7.5	02/14/22
22B0437-04	EP41_7.5	02/14/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
Blank (BB21766-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
Blank (BB21766-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.7*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.5*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.5*		*"*	*50.0*		*107*	*76-130*				
Blank (BB21766-BLK2) MeOH Blank									Prepared & Analyzed: 02/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
Blank (BB21766-BLK2) MeOH Blank									Prepared & Analyzed: 02/10/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.5*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.6*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.3*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21766 - EPA 5035A

Blank (BB21766-BLK3) HB-22B0415 — Prepared & Analyzed: 02/10/2022

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

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
Blank (BB21766-BLK3) HB-22B0415									Prepared & Analyzed: 02/10/2022		
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.2*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				
Blank (BB21766-BLK4) HB-22B0437									Prepared & Analyzed: 02/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
Blank (BB21766-BLK4) HB-22B0437									Prepared & Analyzed: 02/10/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.1*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
LCS (BB21766-BS1) LCS							Prepared & Analyzed: 02/10/2022				
1,1,1,2-Tetrachloroethane	44.6		ug/L	50.0		89.2	75-129				
1,1,1-Trichloroethane	45.3		"	50.0		90.6	71-137				
1,1,2,2-Tetrachloroethane	44.7		"	50.0		89.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.1		"	50.0		88.1	58-146				
1,1,2-Trichloroethane	44.8		"	50.0		89.6	83-123				
1,1-Dichloroethane	44.2		"	50.0		88.4	75-130				
1,1-Dichloroethylene	48.4		"	50.0		96.7	64-137				
1,2,3-Trichlorobenzene	41.7		"	50.0		83.4	81-140				
1,2,3-Trichloropropane	43.6		"	50.0		87.3	81-126				
1,2,4-Trichlorobenzene	42.1		"	50.0		84.2	80-141				
1,2,4-Trimethylbenzene	44.6		"	50.0		89.3	84-125				
1,2-Dibromo-3-chloropropane	44.9		"	50.0		89.9	74-142				
1,2-Dibromoethane	43.7		"	50.0		87.3	86-123				
1,2-Dichlorobenzene	46.1		"	50.0		92.2	85-122				
1,2-Dichloroethane	48.2		"	50.0		96.4	71-133				
1,2-Dichloropropane	47.0		"	50.0		93.9	81-122				
1,3,5-Trimethylbenzene	45.2		"	50.0		90.4	82-126				
1,3-Dichlorobenzene	42.1		"	50.0		84.1	84-124				
1,4-Dichlorobenzene	43.1		"	50.0		86.2	84-124				
1,4-Dioxane	1090		"	1050		104	10-228				
2-Butanone	42.2		"	50.0		84.3	58-147				
2-Hexanone	50.8		"	50.0		102	70-139				
4-Methyl-2-pentanone	40.2		"	50.0		80.4	72-132				
Acetone	39.0		"	50.0		78.0	36-155				
Acrolein	28.9		"	50.0		57.9	10-238				
Acrylonitrile	48.4		"	50.0		96.9	66-141				
Benzene	45.8		"	50.0		91.5	77-127				
Bromochloromethane	49.7		"	50.0		99.4	74-129				
Bromodichloromethane	47.6		"	50.0		95.3	81-124				
Bromoform	48.5		"	50.0		97.0	80-136				
Bromomethane	75.5		"	50.0		151	32-177				
Carbon disulfide	45.8		"	50.0		91.6	10-136				
Carbon tetrachloride	47.1		"	50.0		94.2	66-143				
Chlorobenzene	48.0		"	50.0		95.9	86-120				
Chloroethane	80.3		"	50.0		161	51-142	High Bias			
Chloroform	46.4		"	50.0		92.9	76-131				
Chloromethane	43.4		"	50.0		86.8	49-132				
cis-1,2-Dichloroethylene	46.4		"	50.0		92.7	74-132				
cis-1,3-Dichloropropylene	46.8		"	50.0		93.7	81-129				
Cyclohexane	46.2		"	50.0		92.4	70-130				
Dibromochloromethane	45.1		"	50.0		90.2	10-200				
Dibromomethane	46.4		"	50.0		92.8	83-124				
Dichlorodifluoromethane	27.6		"	50.0		55.1	28-158				
Ethyl Benzene	47.4		"	50.0		94.8	84-125				
Hexachlorobutadiene	42.3		"	50.0		84.5	83-133				
Isopropylbenzene	45.1		"	50.0		90.3	81-127				
Methyl acetate	47.0		"	50.0		94.1	41-143				
Methyl tert-butyl ether (MTBE)	44.0		"	50.0		88.0	74-131				
Methylcyclohexane	45.2		"	50.0		90.4	70-130				
Methylene chloride	49.8		"	50.0		99.6	57-141				
n-Butylbenzene	48.3		"	50.0		96.6	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
LCS (BB21766-BS1) LCS								Prepared & Analyzed: 02/10/2022			
n-Propylbenzene	50.3		ug/L	50.0		101	74-136				
o-Xylene	49.3		"	50.0		98.6	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Isopropyltoluene	45.3		"	50.0		90.6	85-125				
sec-Butylbenzene	43.8		"	50.0		87.6	83-125				
Styrene	47.6		"	50.0		95.2	86-126				
tert-Butyl alcohol (TBA)	235		"	250		94.0	70-130				
tert-Butylbenzene	38.1		"	50.0		76.2	80-127	Low Bias			
Tetrachloroethylene	41.1		"	50.0		82.2	80-129				
Toluene	46.3		"	50.0		92.6	85-121				
trans-1,2-Dichloroethylene	47.1		"	50.0		94.1	72-132				
trans-1,3-Dichloropropylene	44.9		"	50.0		89.9	78-132				
Trichloroethylene	45.2		"	50.0		90.3	84-123				
Trichlorofluoromethane	74.2		"	50.0		148	62-140	High Bias			
Vinyl Chloride	48.3		"	50.0		96.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.1*		*"*	*50.0*		*92.3*	*76-130*				
LCS Dup (BB21766-BSD1) LCS Dup								Prepared & Analyzed: 02/10/2022			
1,1,1,2-Tetrachloroethane	43.7		ug/L	50.0		87.4	75-129		2.02	30	
1,1,1-Trichloroethane	43.6		"	50.0		87.3	71-137		3.71	30	
1,1,2,2-Tetrachloroethane	44.2		"	50.0		88.3	79-129		1.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.6		"	50.0		87.1	58-146		1.19	30	
1,1,2-Trichloroethane	42.6		"	50.0		85.3	83-123		5.01	30	
1,1-Dichloroethane	43.1		"	50.0		86.1	75-130		2.64	30	
1,1-Dichloroethylene	46.1		"	50.0		92.2	64-137		4.76	30	
1,2,3-Trichlorobenzene	40.4		"	50.0		80.9	81-140	Low Bias	3.07	30	
1,2,3-Trichloropropane	41.9		"	50.0		83.8	81-126		4.07	30	
1,2,4-Trichlorobenzene	41.8		"	50.0		83.6	80-141		0.715	30	
1,2,4-Trimethylbenzene	43.5		"	50.0		87.0	84-125		2.56	30	
1,2-Dibromo-3-chloropropane	46.2		"	50.0		92.5	74-142		2.85	30	
1,2-Dibromoethane	42.3		"	50.0		84.6	86-123	Low Bias	3.19	30	
1,2-Dichlorobenzene	45.3		"	50.0		90.6	85-122		1.69	30	
1,2-Dichloroethane	45.8		"	50.0		91.7	71-133		5.04	30	
1,2-Dichloropropane	46.9		"	50.0		93.8	81-122		0.149	30	
1,3,5-Trimethylbenzene	44.1		"	50.0		88.3	82-126		2.40	30	
1,3-Dichlorobenzene	41.4		"	50.0		82.9	84-124	Low Bias	1.48	30	
1,4-Dichlorobenzene	42.5		"	50.0		85.0	84-124		1.33	30	
1,4-Dioxane	1140		"	1050		108	10-228		4.34	30	
2-Butanone	42.1		"	50.0		84.2	58-147		0.119	30	
2-Hexanone	50.2		"	50.0		100	70-139		1.33	30	
4-Methyl-2-pentanone	38.6		"	50.0		77.2	72-132		4.09	30	
Acetone	40.3		"	50.0		80.6	36-155		3.30	30	
Acrolein	26.3		"	50.0		52.6	10-238		9.52	30	
Acrylonitrile	45.7		"	50.0		91.3	66-141		5.89	30	
Benzene	43.4		"	50.0		86.9	77-127		5.16	30	
Bromochloromethane	47.6		"	50.0		95.2	74-129		4.38	30	
Bromodichloromethane	45.9		"	50.0		91.8	81-124		3.72	30	
Bromoform	46.6		"	50.0		93.3	80-136		3.87	30	
Bromomethane	73.4		"	50.0		147	32-177		2.87	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21766 - EPA 5035A											
LCS Dup (BB21766-BSD1) LCS Dup								Prepared & Analyzed: 02/10/2022			
Carbon disulfide	43.6		ug/L	50.0		87.3	10-136		4.76	30	
Carbon tetrachloride	46.0		"	50.0		91.9	66-143		2.49	30	
Chlorobenzene	46.6		"	50.0		93.3	86-120		2.79	30	
Chloroethane	75.7		"	50.0		151	51-142	High Bias	5.86	30	
Chloroform	44.7		"	50.0		89.5	76-131		3.73	30	
Chloromethane	44.8		"	50.0		89.5	49-132		3.04	30	
cis-1,2-Dichloroethylene	45.0		"	50.0		89.9	74-132		3.04	30	
cis-1,3-Dichloropropylene	45.0		"	50.0		90.0	81-129		4.01	30	
Cyclohexane	44.6		"	50.0		89.2	70-130		3.50	30	
Dibromochloromethane	45.1		"	50.0		90.2	10-200		0.0665	30	
Dibromomethane	45.0		"	50.0		90.1	83-124		2.97	30	
Dichlorodifluoromethane	25.9		"	50.0		51.8	28-158		6.17	30	
Ethyl Benzene	45.3		"	50.0		90.6	84-125		4.57	30	
Hexachlorobutadiene	40.7		"	50.0		81.5	83-133	Low Bias	3.66	30	
Isopropylbenzene	43.9		"	50.0		87.9	81-127		2.72	30	
Methyl acetate	46.9		"	50.0		93.7	41-143		0.383	30	
Methyl tert-butyl ether (MTBE)	43.0		"	50.0		86.0	74-131		2.25	30	
Methylcyclohexane	44.4		"	50.0		88.8	70-130		1.74	30	
Methylene chloride	46.3		"	50.0		92.6	57-141		7.26	30	
n-Butylbenzene	46.9		"	50.0		93.8	80-130		2.88	30	
n-Propylbenzene	49.2		"	50.0		98.5	74-136		2.11	30	
o-Xylene	47.9		"	50.0		95.8	83-123		2.94	30	
p- & m- Xylenes	97.5		"	100		97.5	82-128		3.11	30	
p-Isopropyltoluene	44.0		"	50.0		88.1	85-125		2.82	30	
sec-Butylbenzene	43.2		"	50.0		86.4	83-125		1.45	30	
Styrene	45.9		"	50.0		91.9	86-126		3.57	30	
tert-Butyl alcohol (TBA)	236		"	250		94.3	70-130		0.323	30	
tert-Butylbenzene	37.2		"	50.0		74.4	80-127	Low Bias	2.34	30	
Tetrachloroethylene	39.9		"	50.0		79.7	80-129	Low Bias	3.09	30	
Toluene	45.2		"	50.0		90.5	85-121		2.36	30	
trans-1,2-Dichloroethylene	46.5		"	50.0		92.9	72-132		1.26	30	
trans-1,3-Dichloropropylene	44.0		"	50.0		88.0	78-132		2.07	30	
Trichloroethylene	43.6		"	50.0		87.2	84-123		3.47	30	
Trichlorofluoromethane	72.8		"	50.0		146	62-140	High Bias	1.92	30	
Vinyl Chloride	46.6		"	50.0		93.3	52-130		3.58	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.6*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.1*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.7*		*"*	*50.0*		*91.4*	*76-130*				

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

Batch BB21712 - EPA 3546 SVOA

Blank (BB21712-BLK1) Blank — Prepared & Analyzed: 02/10/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
Blank (BB21712-BLK1) Blank									Prepared & Analyzed: 02/10/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.59*		"	*1.66*		*95.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.39*		"	*1.66*		*83.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.663*		"	*0.831*		*79.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.629*		"	*0.831*		*75.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.60*		"	*1.66*		*96.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.671*		"	*0.831*		*80.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
LCS (BB21712-BS1) LCS							Prepared & Analyzed: 02/10/2022				
1,1-Biphenyl	0.454	0.0416	mg/kg wet	0.831		54.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.664	0.0830	"	0.831		79.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.470	0.0416	"	0.831		56.6	17-137				
2,3,4,6-Tetrachlorophenol	0.555	0.0830	"	0.831		66.8	30-130				
2,4,5-Trichlorophenol	0.633	0.0416	"	0.831		76.2	27-118				
2,4,6-Trichlorophenol	0.628	0.0416	"	0.831		75.6	31-120				
2,4-Dichlorophenol	0.624	0.0416	"	0.831		75.2	20-127				
2,4-Dimethylphenol	0.603	0.0416	"	0.831		72.6	14-132				
2,4-Dinitrophenol	0.673	0.0830	"	0.831		81.0	10-171				
2,4-Dinitrotoluene	0.711	0.0416	"	0.831		85.6	34-131				
2,6-Dinitrotoluene	0.726	0.0416	"	0.831		87.4	31-128				
2-Chloronaphthalene	0.585	0.0416	"	0.831		70.5	31-117				
2-Chlorophenol	0.590	0.0416	"	0.831		71.1	33-113				
2-Methylnaphthalene	0.586	0.0416	"	0.831		70.6	12-138				
2-Methylphenol	0.562	0.0416	"	0.831		67.7	10-136				
2-Nitroaniline	0.670	0.0830	"	0.831		80.6	27-132				
2-Nitrophenol	0.723	0.0416	"	0.831		87.0	17-129				
3- & 4-Methylphenols	0.510	0.0416	"	0.831		61.4	29-103				
3,3-Dichlorobenzidine	0.649	0.0416	"	0.831		78.1	22-149				
3-Nitroaniline	0.698	0.0830	"	0.831		84.0	20-133				
4,6-Dinitro-2-methylphenol	0.734	0.0830	"	0.831		88.4	10-143				
4-Bromophenyl phenyl ether	0.621	0.0416	"	0.831		74.8	29-120				
4-Chloro-3-methylphenol	0.575	0.0416	"	0.831		69.3	24-129				
4-Chloroaniline	0.297	0.0416	"	0.831		35.7	10-132				
4-Chlorophenyl phenyl ether	0.565	0.0416	"	0.831		68.0	27-124				
4-Nitroaniline	0.590	0.0830	"	0.831		71.0	16-128				
4-Nitrophenol	0.457	0.0830	"	0.831		55.0	10-141				
Acenaphthene	0.583	0.0416	"	0.831		70.2	30-121				
Acenaphthylene	0.553	0.0416	"	0.831		66.6	30-115				
Acetophenone	0.450	0.0416	"	0.831		54.2	20-112				
Aniline	0.461	0.166	"	0.831		55.6	10-119				
Anthracene	0.604	0.0416	"	0.831		72.7	34-118				
Atrazine	0.479	0.0416	"	0.831		57.6	26-112				
Benzaldehyde	0.437	0.0416	"	0.831		52.6	21-100				
Benzo(a)anthracene	0.575	0.0416	"	0.831		69.2	32-122				
Benzo(a)pyrene	0.562	0.0416	"	0.831		67.7	29-133				
Benzo(b)fluoranthene	0.571	0.0416	"	0.831		68.8	25-133				
Benzo(g,h,i)perylene	0.586	0.0416	"	0.831		70.5	10-143				
Benzo(k)fluoranthene	0.586	0.0416	"	0.831		70.6	25-128				
Benzoic acid	0.244	0.0416	"	0.831		29.3	10-140				
Benzyl alcohol	0.554	0.0416	"	0.831		66.7	30-115				
Benzyl butyl phthalate	0.547	0.0416	"	0.831		65.8	26-126				
Bis(2-chloroethoxy)methane	0.534	0.0416	"	0.831		64.3	19-132				
Bis(2-chloroethyl)ether	0.525	0.0416	"	0.831		63.2	19-125				
Bis(2-chloroisopropyl)ether	0.384	0.0416	"	0.831		46.2	20-135				
Bis(2-ethylhexyl)phthalate	0.582	0.0416	"	0.831		70.0	10-155				
Caprolactam	0.439	0.0830	"	0.831		52.8	10-127				
Carbazole	0.581	0.0416	"	0.831		70.0	35-123				
Chrysene	0.552	0.0416	"	0.831		66.5	32-123				
Dibenzo(a,h)anthracene	0.633	0.0416	"	0.831		76.2	10-136				
Dibenzofuran	0.565	0.0416	"	0.831		68.0	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
LCS (BB21712-BS1) LCS							Prepared & Analyzed: 02/10/2022				
Diethyl phthalate	0.538	0.0416	mg/kg wet	0.831		64.7	34-116				
Dimethyl phthalate	0.557	0.0416	"	0.831		67.1	35-124				
Di-n-butyl phthalate	0.565	0.0416	"	0.831		68.0	31-116				
Di-n-octyl phthalate	0.551	0.0416	"	0.831		66.4	26-136				
Diphenylamine	0.673	0.0830	"	0.831		81.0	40-140				
Fluoranthene	0.557	0.0416	"	0.831		67.1	33-122				
Fluorene	0.569	0.0416	"	0.831		68.6	29-123				
Hexachlorobenzene	0.530	0.0416	"	0.831		63.8	21-124				
Hexachlorobutadiene	0.628	0.0416	"	0.831		75.6	10-149				
Hexachlorocyclopentadiene	0.583	0.0416	"	0.831		70.2	10-129				
Hexachloroethane	0.558	0.0416	"	0.831		67.2	28-108				
Indeno(1,2,3-cd)pyrene	0.569	0.0416	"	0.831		68.5	10-135				
Isophorone	0.512	0.0416	"	0.831		61.7	20-132				
Naphthalene	0.600	0.0416	"	0.831		72.2	23-124				
Nitrobenzene	0.540	0.0416	"	0.831		65.0	13-132				
N-Nitrosodimethylamine	0.512	0.0416	"	0.831		61.6	11-129				
N-nitroso-di-n-propylamine	0.462	0.0416	"	0.831		55.7	24-119				
N-Nitrosodiphenylamine	0.671	0.0416	"	0.831		80.8	22-152				
Pentachlorophenol	0.528	0.0416	"	0.831		63.5	10-139				
Phenanthrene	0.568	0.0416	"	0.831		68.4	33-123				
Phenol	0.583	0.0416	"	0.831		70.2	23-115				
Pyrene	0.565	0.0416	"	0.831		68.0	24-130				
Pyridine	0.497	0.166	"	0.831		59.9	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.39*		"	*1.66*		*83.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.18*		"	*1.66*		*70.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.585*		"	*0.831*		*70.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.652*		"	*0.831*		*78.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.67*		"	*1.66*		*100*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.666*		"	*0.831*		*80.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
Matrix Spike (BB21712-MS1) Matrix Spike	*Source sample: 22B0414-02 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
1,1-Biphenyl	0.889	0.0973	mg/kg dry	0.973	0.0667	84.5	10-130				
1,2,4,5-Tetrachlorobenzene	0.958	0.194	"	0.973	ND	98.5	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.667	0.0973	"	0.973	ND	68.6	10-144				
2,3,4,6-Tetrachlorophenol	0.854	0.194	"	0.973	ND	87.8	30-130				
2,4,5-Trichlorophenol	0.898	0.0973	"	0.973	ND	92.3	10-127				
2,4,6-Trichlorophenol	0.856	0.0973	"	0.973	ND	88.0	10-132				
2,4-Dichlorophenol	0.919	0.0973	"	0.973	ND	94.5	10-128				
2,4-Dimethylphenol	0.928	0.0973	"	0.973	ND	95.4	10-137				
2,4-Dinitrophenol	ND	0.194	"	0.973	ND		10-171	Low Bias			
2,4-Dinitrotoluene	1.02	0.0973	"	0.973	ND	105	16-135				
2,6-Dinitrotoluene	1.01	0.0973	"	0.973	ND	104	18-131				
2-Chloronaphthalene	0.847	0.0973	"	0.973	ND	87.1	10-129				
2-Chlorophenol	0.879	0.0973	"	0.973	ND	90.4	15-116				
2-Methylnaphthalene	0.876	0.0973	"	0.973	0.101	79.7	10-147				
2-Methylphenol	0.873	0.0973	"	0.973	ND	89.8	10-136				
2-Nitroaniline	0.955	0.194	"	0.973	ND	98.2	10-137				
2-Nitrophenol	1.04	0.0973	"	0.973	ND	107	10-129				
3- & 4-Methylphenols	0.751	0.0973	"	0.973	ND	77.2	10-123				
3,3-Dichlorobenzidine	1.44	0.0973	"	0.973	ND	148	10-155				
3-Nitroaniline	0.996	0.194	"	0.973	ND	102	12-133				
4,6-Dinitro-2-methylphenol	0.563	0.194	"	0.973	ND	57.9	10-155				
4-Bromophenyl phenyl ether	0.858	0.0973	"	0.973	ND	88.2	14-128				
4-Chloro-3-methylphenol	0.837	0.0973	"	0.973	ND	86.1	10-134				
4-Chloroaniline	0.768	0.0973	"	0.973	ND	79.0	10-145				
4-Chlorophenyl phenyl ether	0.831	0.0973	"	0.973	ND	85.4	14-130				
4-Nitroaniline	0.969	0.194	"	0.973	ND	99.7	10-147				
4-Nitrophenol	0.704	0.194	"	0.973	ND	72.4	10-137				
Acenaphthene	0.816	0.0973	"	0.973	0.277	55.5	10-146				
Acenaphthylene	0.802	0.0973	"	0.973	0.168	65.3	10-134				
Acetophenone	0.941	0.0973	"	0.973	ND	96.8	10-116				
Aniline	0.816	0.390	"	0.973	ND	83.9	10-123				
Anthracene	0.889	0.0973	"	0.973	0.747	14.7	10-142				
Atrazine	0.974	0.0973	"	0.973	ND	100	19-115				
Benzaldehyde	0.986	0.0973	"	0.973	ND	101	10-125				
Benzo(a)anthracene	0.868	0.0973	"	0.973	1.06	NR	10-158	Low Bias			
Benzo(a)pyrene	0.882	0.0973	"	0.973	1.11	NR	10-180	Low Bias			
Benzo(b)fluoranthene	0.903	0.0973	"	0.973	0.820	8.52	10-200	Low Bias			
Benzo(g,h,i)perylene	0.971	0.0973	"	0.973	0.543	44.0	10-138				
Benzo(k)fluoranthene	0.948	0.0973	"	0.973	0.894	5.59	10-197	Low Bias			
Benzoic acid	0.663	0.0973	"	0.973	ND	68.2	10-166				
Benzyl alcohol	0.788	0.0973	"	0.973	ND	81.0	12-124				
Benzyl butyl phthalate	0.748	0.0973	"	0.973	ND	76.9	10-154				
Bis(2-chloroethoxy)methane	0.752	0.0973	"	0.973	ND	77.3	10-132				
Bis(2-chloroethyl)ether	0.833	0.0973	"	0.973	ND	85.7	10-119				
Bis(2-chloroisopropyl)ether	0.607	0.0973	"	0.973	ND	62.4	10-139				
Bis(2-ethylhexyl)phthalate	0.791	0.0973	"	0.973	ND	81.4	10-167				
Caprolactam	0.910	0.194	"	0.973	ND	93.6	10-132				
Carbazole	0.910	0.0973	"	0.973	0.168	76.2	10-167				
Chrysene	0.883	0.0973	"	0.973	1.01	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	1.02	0.0973	"	0.973	0.156	88.6	10-137				
Dibenzofuran	0.836	0.0973	"	0.973	ND	85.9	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
Matrix Spike (BB21712-MS1) Matrix Spike	*Source sample: 22B0414-02 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Diethyl phthalate	0.787	0.0973	mg/kg dry	0.973	ND	81.0	20-120				
Dimethyl phthalate	0.799	0.0973	"	0.973	ND	82.2	18-131				
Di-n-butyl phthalate	0.800	0.0973	"	0.973	ND	82.2	10-137				
Di-n-octyl phthalate	0.805	0.0973	"	0.973	ND	82.7	10-180				
Diphenylamine	0.980	0.194	"	0.973	ND	101	40-140				
Fluoranthene	0.896	0.0973	"	0.973	2.31	NR	10-160	Low Bias			
Fluorene	0.826	0.0973	"	0.973	0.345	49.5	10-157				
Hexachlorobenzene	0.756	0.0973	"	0.973	ND	77.7	10-137				
Hexachlorobutadiene	0.947	0.0973	"	0.973	ND	97.4	10-132				
Hexachlorocyclopentadiene	0.385	0.0973	"	0.973	ND	39.6	10-106				
Hexachloroethane	0.848	0.0973	"	0.973	ND	87.2	10-110				
Indeno(1,2,3-cd)pyrene	1.15	0.0973	"	0.973	0.632	53.4	10-144				
Isophorone	0.741	0.0973	"	0.973	ND	76.2	10-132				
Naphthalene	0.900	0.0973	"	0.973	0.142	78.0	10-141				
Nitrobenzene	0.766	0.0973	"	0.973	ND	78.8	10-131				
N-Nitrosodimethylamine	0.730	0.0973	"	0.973	ND	75.0	10-126				
N-nitroso-di-n-propylamine	0.698	0.0973	"	0.973	ND	71.8	10-125				
N-Nitrosodiphenylamine	0.961	0.0973	"	0.973	ND	98.8	10-177				
Pentachlorophenol	0.819	0.0973	"	0.973	ND	84.2	10-153				
Phenanthrene	0.874	0.0973	"	0.973	1.96	NR	10-148	Low Bias			
Phenol	0.927	0.0973	"	0.973	ND	95.4	10-126				
Pyrene	0.840	0.0973	"	0.973	1.81	NR	10-165	Low Bias			
Pyridine	0.639	0.390	"	0.973	ND	65.7	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.83*		*"*	*1.95*		*93.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.70*		*"*	*1.95*		*87.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.802*		*"*	*0.973*		*82.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.845*		*"*	*0.973*		*86.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.17*		*"*	*1.95*		*112*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.911*		*"*	*0.973*		*93.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB21712 - EPA 3546 SVOA

Matrix Spike Dup (BB21712-M Matrix Spike Dup **Source sample: 22B0414-02 (Matrix Spike Dup)** Prepared & Analyzed: 02/10/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.321	0.0973	mg/kg dry	0.973	0.0667	26.2	10-130		93.8	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.419	0.194	"	0.973	ND	43.0	10-133		78.3	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.296	0.0973	"	0.973	ND	30.4	10-144		77.1	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.344	0.194	"	0.973	ND	35.4	30-130		85.2	30	Non-dir.
2,4,5-Trichlorophenol	0.383	0.0973	"	0.973	ND	39.4	10-127		80.4	30	Non-dir.
2,4,6-Trichlorophenol	0.365	0.0973	"	0.973	ND	37.5	10-132		80.4	30	Non-dir.
2,4-Dichlorophenol	0.434	0.0973	"	0.973	ND	44.6	10-128		71.7	30	Non-dir.
2,4-Dimethylphenol	0.447	0.0973	"	0.973	ND	45.9	10-137		70.1	30	Non-dir.
2,4-Dinitrophenol	ND	0.194	"	0.973	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.428	0.0973	"	0.973	ND	44.0	16-135		81.8	30	Non-dir.
2,6-Dinitrotoluene	0.432	0.0973	"	0.973	ND	44.4	18-131		80.4	30	Non-dir.
2-Chloronaphthalene	0.368	0.0973	"	0.973	ND	37.8	10-129		78.9	30	Non-dir.
2-Chlorophenol	0.371	0.0973	"	0.973	ND	38.2	15-116		81.3	30	Non-dir.
2-Methylnaphthalene	0.405	0.0973	"	0.973	0.101	31.2	10-147		73.6	30	Non-dir.
2-Methylphenol	0.388	0.0973	"	0.973	ND	39.9	10-136		76.9	30	Non-dir.
2-Nitroaniline	0.400	0.194	"	0.973	ND	41.1	10-137		82.0	30	Non-dir.
2-Nitrophenol	0.457	0.0973	"	0.973	ND	47.0	10-129		77.6	30	Non-dir.
3- & 4-Methylphenols	0.347	0.0973	"	0.973	ND	35.7	10-123		73.6	30	Non-dir.
3,3-Dichlorobenzidine	0.535	0.0973	"	0.973	ND	55.0	10-155		91.5	30	Non-dir.
3-Nitroaniline	0.417	0.194	"	0.973	ND	42.9	12-133		81.9	30	Non-dir.
4,6-Dinitro-2-methylphenol	0.211	0.194	"	0.973	ND	21.7	10-155		91.1	30	Non-dir.
4-Bromophenyl phenyl ether	0.387	0.0973	"	0.973	ND	39.8	14-128		75.7	30	Non-dir.
4-Chloro-3-methylphenol	0.396	0.0973	"	0.973	ND	40.7	10-134		71.5	30	Non-dir.
4-Chloroaniline	0.336	0.0973	"	0.973	ND	34.6	10-145		78.2	30	Non-dir.
4-Chlorophenyl phenyl ether	0.366	0.0973	"	0.973	ND	37.6	14-130		77.8	30	Non-dir.
4-Nitroaniline	0.392	0.194	"	0.973	ND	40.3	10-147		84.8	30	Non-dir.
4-Nitrophenol	0.303	0.194	"	0.973	ND	31.2	10-137		79.5	30	Non-dir.
Acenaphthene	0.380	0.0973	"	0.973	0.277	10.6	10-146		73.0	30	Non-dir.
Acenaphthylene	0.352	0.0973	"	0.973	0.168	19.0	10-134		77.9	30	Non-dir.
Acetophenone	0.352	0.0973	"	0.973	ND	36.2	10-116		91.0	30	Non-dir.
Aniline	0.386	0.390	"	0.973	ND	39.7	10-123		71.6	30	Non-dir.
Anthracene	0.379	0.0973	"	0.973	0.747	NR	10-142	Low Bias	80.5	30	Non-dir.
Atrazine	0.334	0.0973	"	0.973	ND	34.3	19-115		97.9	30	Non-dir.
Benzaldehyde	0.358	0.0973	"	0.973	ND	36.8	10-125		93.5	30	Non-dir.
Benzo(a)anthracene	0.352	0.0973	"	0.973	1.06	NR	10-158	Low Bias	84.5	30	Non-dir.
Benzo(a)pyrene	0.350	0.0973	"	0.973	1.11	NR	10-180	Low Bias	86.4	30	Non-dir.
Benzo(b)fluoranthene	0.363	0.0973	"	0.973	0.820	NR	10-200	Low Bias	85.3	30	Non-dir.
Benzo(g,h,i)perylene	0.387	0.0973	"	0.973	0.543	NR	10-138	Low Bias	86.1	30	Non-dir.
Benzo(k)fluoranthene	0.367	0.0973	"	0.973	0.894	NR	10-197	Low Bias	88.4	30	Non-dir.
Benzoic acid	0.201	0.0973	"	0.973	ND	20.6	10-166		107	30	Non-dir.
Benzyl alcohol	0.342	0.0973	"	0.973	ND	35.1	12-124		79.1	30	Non-dir.
Benzyl butyl phthalate	0.293	0.0973	"	0.973	ND	30.1	10-154		87.5	30	Non-dir.
Bis(2-chloroethoxy)methane	0.356	0.0973	"	0.973	ND	36.6	10-132		71.5	30	Non-dir.
Bis(2-chloroethyl)ether	0.346	0.0973	"	0.973	ND	35.6	10-119		82.6	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.275	0.0973	"	0.973	ND	28.2	10-139		75.4	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.305	0.0973	"	0.973	ND	31.4	10-167		88.7	30	Non-dir.
Caprolactam	0.317	0.194	"	0.973	ND	32.6	10-132		96.8	30	Non-dir.
Carbazole	0.378	0.0973	"	0.973	0.168	21.6	10-167		82.5	30	Non-dir.
Chrysene	0.345	0.0973	"	0.973	1.01	NR	10-156	Low Bias	87.7	30	Non-dir.
Dibenzo(a,h)anthracene	0.397	0.0973	"	0.973	0.156	24.8	10-137		87.8	30	Non-dir.
Dibenzofuran	0.372	0.0973	"	0.973	ND	38.2	10-147		76.8	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21712 - EPA 3546 SVOA											
Matrix Spike Dup (BB21712-M Matrix Spike Dup	*Source sample: 22B0414-02 (Matrix Spike Dup)							Prepared & Analyzed: 02/10/2022			
Diethyl phthalate	0.347	0.0973	mg/kg dry	0.973	ND	35.7	20-120		77.6	30	Non-dir.
Dimethyl phthalate	0.358	0.0973	"	0.973	ND	36.8	18-131		76.3	30	Non-dir.
Di-n-butyl phthalate	0.320	0.0973	"	0.973	ND	32.9	10-137		85.8	30	Non-dir.
Di-n-octyl phthalate	0.308	0.0973	"	0.973	ND	31.7	10-180		89.2	30	Non-dir.
Diphenylamine	0.429	0.194	"	0.973	ND	44.1	40-140		78.3	30	Non-dir.
Fluoranthene	0.363	0.0973	"	0.973	2.31	NR	10-160	Low Bias	84.5	30	Non-dir.
Fluorene	0.374	0.0973	"	0.973	0.345	3.00	10-157	Low Bias	75.3	30	Non-dir.
Hexachlorobenzene	0.328	0.0973	"	0.973	ND	33.8	10-137		78.8	30	Non-dir.
Hexachlorobutadiene	0.440	0.0973	"	0.973	ND	45.3	10-132		73.0	30	Non-dir.
Hexachlorocyclopentadiene	0.170	0.0973	"	0.973	ND	17.5	10-106		77.3	30	Non-dir.
Hexachloroethane	0.362	0.0973	"	0.973	ND	37.2	10-110		80.4	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.356	0.0973	"	0.973	0.632	NR	10-144	Low Bias	106	30	Non-dir.
Isophorone	0.358	0.0973	"	0.973	ND	36.8	10-132		69.7	30	Non-dir.
Naphthalene	0.417	0.0973	"	0.973	0.142	28.3	10-141		73.4	30	Non-dir.
Nitrobenzene	0.382	0.0973	"	0.973	ND	39.3	10-131		66.9	30	Non-dir.
N-Nitrosodimethylamine	0.333	0.0973	"	0.973	ND	34.2	10-126		74.7	30	Non-dir.
N-nitroso-di-n-propylamine	0.306	0.0973	"	0.973	ND	31.4	10-125		78.1	30	Non-dir.
N-Nitrosodiphenylamine	0.426	0.0973	"	0.973	ND	43.8	10-177		77.1	30	Non-dir.
Pentachlorophenol	0.298	0.0973	"	0.973	ND	30.6	10-153		93.2	30	Non-dir.
Phenanthrene	0.374	0.0973	"	0.973	1.96	NR	10-148	Low Bias	80.0	30	Non-dir.
Phenol	0.405	0.0973	"	0.973	ND	41.7	10-126		78.3	30	Non-dir.
Pyrene	0.327	0.0973	"	0.973	1.81	NR	10-165	Low Bias	87.9	30	Non-dir.
Pyridine	0.300	0.390	"	0.973	ND	30.9	10-83		72.1	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.824*		"	*1.95*		*42.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.743*		"	*1.95*		*38.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.402*		"	*0.973*		*41.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.382*		"	*0.973*		*39.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.932*		"	*1.95*		*47.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.350*		"	*0.973*		*36.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21787 - EPA 3550C											
Blank (BB21787-BLK1) Blank								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*347*		*"*	*495*		*70.0*	*39-127.5*				
LCS (BB21787-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	511	19.8	ug/kg	495		103	40-130				
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
Matrix Spike (BB21787-MS1) Matrix Spike *Source sample: 22B0437-01 (EP50_7.5)								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	525	19.8	ug/kg	495	ND	106	40-130				
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				
Matrix Spike Dup (BB21787-M Matrix Spike Dup *Source sample: 22B0437-01 (EP50_7.5)								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	525	19.8	ug/kg	495	ND	106	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				

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

York Analytical Laboratories, Inc.

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

Batch BB21731 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB21731-BLK1) Blank — Prepared: 02/10/2022 Analyzed: 02/11/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.65*		"	*4.49*		*104*	*25-150*				
Surrogate: M5PFHxA	*5.30*		"	*4.84*		*110*	*25-150*				
Surrogate: M4PFHpA	*4.50*		"	*4.84*		*93.1*	*25-150*				
Surrogate: M3PFHxS	*4.51*		"	*4.58*		*98.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.50*		"	*4.84*		*114*	*25-150*				
Surrogate: M6PFDA	*4.76*		"	*4.84*		*98.4*	*25-150*				
Surrogate: M7PFUdA	*5.06*		"	*4.84*		*105*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.80*		"	*4.84*		*99.2*	*25-150*				
Surrogate: M2PFTeDA	*3.76*		"	*4.84*		*77.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.94*		"	*4.84*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.97*		"	*4.63*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.93*		"	*4.84*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.02*		"	*4.84*		*83.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.82*		"	*4.84*		*99.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.32*		"	*4.84*		*89.3*	*25-150*				
Surrogate: M2-6:2 FTS	*5.01*		"	*4.59*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*4.21*		"	*4.63*		*90.9*	*25-200*				
Surrogate: M9PFNA	*5.01*		"	*4.84*		*104*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21731 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21731-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
Perfluorobutanesulfonic acid (PFBS)	4.42	0.240	ug/kg wet	4.24		104	50-130				
Perfluorohexanoic acid (PFHxA)	4.88	0.240	"	4.80		102	50-130				
Perfluoroheptanoic acid (PFHpA)	5.30	0.240	"	4.80		110	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.86	0.240	"	4.36		88.4	50-130				
Perfluorooctanoic acid (PFOA)	5.02	0.240	"	4.80		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	6.06	0.240	"	4.44		137	50-150				
Perfluorononanoic acid (PFNA)	4.16	0.240	"	4.80		86.8	50-130				
Perfluorodecanoic acid (PFDA)	5.31	0.240	"	4.80		111	50-130				
Perfluoroundecanoic acid (PFUnA)	6.23	0.240	"	4.80		130	50-130				
Perfluorododecanoic acid (PFDoA)	4.83	0.240	"	4.80		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.33	0.240	"	4.80		90.4	50-130				
Perfluorotetradecanoic acid (PFTA)	5.50	0.240	"	4.80		115	50-130				
N-MeFOSAA	3.70	0.240	"	4.80		77.1	50-130				
N-EtFOSAA	6.02	0.240	"	4.80		126	50-130				
Perfluoropentanoic acid (PFPeA)	5.30	0.240	"	4.80		111	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.90	0.240	"	4.80		102	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.31	0.240	"	4.58		116	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.43	0.240	"	4.63		95.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.32	0.240	"	4.56		94.8	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.87	0.240	"	4.60		106	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.04	0.240	"	4.80		105	50-130				
Surrogate: M3PFBS	*4.25*		*"*	*4.45*		*95.5*	*25-150*				
Surrogate: M5PFHxA	*4.71*		*"*	*4.80*		*98.3*	*25-150*				
Surrogate: M4PFHpA	*4.17*		*"*	*4.80*		*86.9*	*25-150*				
Surrogate: M3PFHxS	*4.98*		*"*	*4.54*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.49*		*"*	*4.80*		*93.6*	*25-150*				
Surrogate: M6PFDA	*4.50*		*"*	*4.80*		*93.9*	*25-150*				
Surrogate: M7PFUdA	*4.18*		*"*	*4.80*		*87.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.33*		*"*	*4.80*		*90.3*	*25-150*				
Surrogate: M2PFTeDA	*2.80*		*"*	*4.80*		*58.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.43*		*"*	*4.80*		*92.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.61*		*"*	*4.59*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.29*		*"*	*4.80*		*89.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.01*		*"*	*4.80*		*83.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.94*		*"*	*4.80*		*124*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.48*		*"*	*4.80*		*93.5*	*25-150*				
Surrogate: M2-6:2 FTS	*4.26*		*"*	*4.55*		*93.6*	*25-200*				
Surrogate: M2-8:2 FTS	*4.59*		*"*	*4.59*		*99.8*	*25-200*				
Surrogate: M9PFNA	*5.15*		*"*	*4.80*		*107*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21731 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21731-MS1) Matrix Spike *Source sample: 22B0332-01 (Matrix Spike) Prepared: 02/10/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.77	0.263	ug/kg dry	4.66	ND	102	25-150				
Perfluorohexanoic acid (PFHxA)	4.87	0.263	"	5.26	ND	92.5	25-150				
Perfluoroheptanoic acid (PFHpA)	5.33	0.263	"	5.26	ND	101	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.18	0.263	"	4.79	ND	87.3	25-150				
Perfluorooctanoic acid (PFOA)	5.83	0.263	"	5.26	ND	111	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.11	0.263	"	4.87	ND	126	25-150				
Perfluorononanoic acid (PFNA)	4.24	0.263	"	5.26	ND	80.6	25-150				
Perfluorodecanoic acid (PFDA)	5.36	0.263	"	5.26	ND	102	25-150				
Perfluoroundecanoic acid (PFUnA)	5.57	0.263	"	5.26	ND	106	25-150				
Perfluorododecanoic acid (PFDoA)	4.98	0.263	"	5.26	ND	94.5	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.02	0.263	"	5.26	ND	95.3	25-150				
Perfluorotetradecanoic acid (PFTA)	5.40	0.263	"	5.26	ND	102	25-150				
N-MeFOSAA	5.59	0.263	"	5.26	ND	106	25-150				
N-EtFOSAA	5.55	0.263	"	5.26	ND	105	25-150				
Perfluoropentanoic acid (PFPeA)	5.34	0.263	"	5.26	ND	101	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.77	0.263	"	5.26	ND	90.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.61	0.263	"	5.03	ND	91.7	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.21	0.263	"	5.08	ND	82.8	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.05	0.263	"	5.00	ND	81.1	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.50	0.263	"	5.05	ND	109	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.23	0.263	"	5.26	ND	99.4	25-150				
Surrogate: M3PFBS	*4.52*		*"*	*4.89*		*92.3*	*25-150*				
Surrogate: M5PFHxA	*5.30*		*"*	*5.26*		*101*	*25-150*				
Surrogate: M4PFHpA	*4.69*		*"*	*5.26*		*89.1*	*25-150*				
Surrogate: M3PFHxS	*5.43*		*"*	*4.98*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.52*		*"*	*5.26*		*85.9*	*25-150*				
Surrogate: M6PFDA	*4.54*		*"*	*5.26*		*86.3*	*25-150*				
Surrogate: M7PFUdA	*4.29*		*"*	*5.26*		*81.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.30*		*"*	*5.26*		*81.6*	*25-150*				
Surrogate: M2PFTeDA	*3.55*		*"*	*5.26*		*67.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.00*		*"*	*5.26*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.67*		*"*	*5.04*		*92.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.03*		*"*	*5.26*		*95.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.80*		*"*	*5.26*		*72.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.10*		*"*	*5.26*		*77.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.02*		*"*	*5.26*		*95.3*	*25-150*				
Surrogate: M2-6:2 FTS	*5.32*		*"*	*5.00*		*107*	*25-200*				
Surrogate: M2-8:2 FTS	*4.04*		*"*	*5.04*		*80.0*	*25-200*				
Surrogate: M9PFNA	*5.30*		*"*	*5.26*		*101*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21731 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21731-M Matrix Spike Dup *Source sample: 22B0332-01 (Matrix Spike Dup) Prepared: 02/10/2022 Analyzed: 02/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.89	0.265	ug/kg dry	4.69	ND	104	25-150		2.39	35	
Perfluorohexanoic acid (PFHxA)	4.57	0.265	"	5.29	ND	86.4	25-150		6.21	35	
Perfluoroheptanoic acid (PFHpA)	5.52	0.265	"	5.29	ND	104	25-150		3.48	35	
Perfluorohexanesulfonic acid (PFHxS)	4.30	0.265	"	4.82	ND	89.2	25-150		2.73	35	
Perfluorooctanoic acid (PFOA)	4.90	0.265	"	5.29	ND	92.6	25-150		17.3	35	
Perfluorooctanesulfonic acid (PFOS)	5.03	0.265	"	4.90	ND	103	25-150		19.4	35	
Perfluorononanoic acid (PFNA)	4.31	0.265	"	5.29	ND	81.4	25-150		1.56	35	
Perfluorodecanoic acid (PFDA)	5.56	0.265	"	5.29	ND	105	25-150		3.70	35	
Perfluoroundecanoic acid (PFUnA)	5.66	0.265	"	5.29	ND	107	25-150		1.67	35	
Perfluorododecanoic acid (PFDoA)	5.01	0.265	"	5.29	ND	94.6	25-150		0.597	35	
Perfluorotridecanoic acid (PFTrDA)	5.10	0.265	"	5.29	ND	96.4	25-150		1.67	35	
Perfluorotetradecanoic acid (PFTA)	4.98	0.265	"	5.29	ND	94.0	25-150		8.04	35	
N-MeFOSAA	4.89	0.265	"	5.29	ND	92.3	25-150		13.3	35	
N-EtFOSAA	6.55	0.265	"	5.29	ND	124	25-150		16.6	35	
Perfluoropentanoic acid (PFPeA)	5.57	0.265	"	5.29	ND	105	25-150		4.22	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.08	0.265	"	5.29	ND	96.0	25-150		6.41	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.48	0.265	"	5.06	ND	108	25-150		17.3	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.53	0.265	"	5.11	ND	69.0	25-150		17.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.90	0.265	"	5.03	ND	77.5	25-200		3.98	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.83	0.265	"	5.08	ND	95.0	25-200		12.9	35	
Perfluoro-n-butanoic acid (PFBA)	5.14	0.265	"	5.29	ND	97.1	25-150		1.74	35	
Surrogate: M3PFBS	*4.35*		*"*	*4.92*		*88.3*	*25-150*				
Surrogate: M5PFHxA	*5.37*		*"*	*5.29*		*102*	*25-150*				
Surrogate: M4PFHpA	*4.59*		*"*	*5.29*		*86.8*	*25-150*				
Surrogate: M3PFHxS	*5.31*		*"*	*5.01*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.07*		*"*	*5.29*		*95.7*	*25-150*				
Surrogate: M6PFDA	*4.22*		*"*	*5.29*		*79.7*	*25-150*				
Surrogate: M7PFUdA	*4.32*		*"*	*5.29*		*81.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.08*		*"*	*5.29*		*77.1*	*25-150*				
Surrogate: M2PFTeDA	*4.10*		*"*	*5.29*		*77.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.91*		*"*	*5.29*		*92.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.72*		*"*	*5.07*		*93.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.71*		*"*	*5.29*		*88.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.74*		*"*	*5.29*		*70.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.97*		*"*	*5.29*		*75.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.95*		*"*	*5.29*		*74.7*	*25-150*				
Surrogate: M2-6:2 FTS	*4.72*		*"*	*5.02*		*93.9*	*25-200*				
Surrogate: M2-8:2 FTS	*4.60*		*"*	*5.07*		*90.7*	*25-200*				
Surrogate: M9PFNA	*5.45*		*"*	*5.29*		*103*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21745 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21745-BLK1) Blank								Prepared & Analyzed: 02/10/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*65.9*		"	*74.3*		*88.7*	*25-150*				
Surrogate: M5PFHxA	*70.5*		"	*80.0*		*88.2*	*25-150*				
Surrogate: M4PFHpA	*67.4*		"	*80.0*		*84.3*	*25-150*				
Surrogate: M3PFHxS	*72.5*		"	*75.7*		*95.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.0*		"	*80.0*		*95.0*	*25-150*				
Surrogate: M6PFDA	*76.5*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M7PFUdA	*77.3*		"	*80.0*		*96.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.9*		"	*80.0*		*91.1*	*25-150*				
Surrogate: M2PFTeDA	*51.4*		"	*80.0*		*64.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.0*		"	*80.0*		*85.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.5*		"	*76.6*		*94.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*70.5*		"	*80.0*		*88.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*34.5*		"	*80.0*		*43.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*82.1*		"	*80.0*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*81.7*		"	*80.0*		*102*	*25-150*				
Surrogate: M2-6:2 FTS	*69.9*		"	*75.9*		*92.1*	*25-200*				
Surrogate: M2-8:2 FTS	*69.5*		"	*76.6*		*90.7*	*25-200*				
Surrogate: M9PFNA	*84.5*		"	*80.0*		*106*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21745 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21745-BS1) LCS							Prepared & Analyzed: 02/10/2022				
Perfluorobutanesulfonic acid (PFBS)	72.2	2.00	ng/L	70.8		102	50-130				
Perfluorohexanoic acid (PFHxA)	76.6	2.00	"	80.0		95.7	50-130				
Perfluoroheptanoic acid (PFHpA)	81.3	2.00	"	80.0		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	66.9	2.00	"	72.8		91.9	50-130				
Perfluorooctanoic acid (PFOA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	84.1	2.00	"	74.0		114	50-130				
Perfluorononanoic acid (PFNA)	71.6	2.00	"	80.0		89.4	50-130				
Perfluorodecanoic acid (PFDA)	78.6	2.00	"	80.0		98.2	50-130				
Perfluoroundecanoic acid (PFUnA)	85.5	2.00	"	80.0		107	50-130				
Perfluorododecanoic acid (PFDoA)	78.4	2.00	"	80.0		98.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	67.8	2.00	"	80.0		84.8	50-130				
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130				
N-MeFOSAA	72.9	2.00	"	80.0		91.1	50-130				
N-EtFOSAA	92.2	2.00	"	80.0		115	50-130				
Perfluoropentanoic acid (PFPeA)	77.6	2.00	"	80.0		96.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	73.4	2.00	"	80.0		91.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.1	2.00	"	76.4		98.2	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	64.4	2.00	"	77.2		83.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	47.5	5.00	"	76.0		62.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	83.6	2.00	"	76.8		109	50-175				
Perfluoro-n-butanoic acid (PFBA)	79.1	2.00	"	80.0		98.9	50-130				
Surrogate: M3PFBS	*66.1*		"	*74.3*		*88.9*	*25-150*				
Surrogate: M5PFHxA	*75.0*		"	*80.0*		*93.8*	*25-150*				
Surrogate: M4PFHpA	*70.9*		"	*80.0*		*88.6*	*25-150*				
Surrogate: M3PFHxS	*74.7*		"	*75.7*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.2*		"	*80.0*		*89.0*	*25-150*				
Surrogate: M6PFDA	*79.4*		"	*80.0*		*99.2*	*25-150*				
Surrogate: M7PFUdA	*81.1*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*78.5*		"	*80.0*		*98.2*	*25-150*				
Surrogate: M2PFTeDA	*58.3*		"	*80.0*		*72.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.8*		"	*80.0*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.1*		"	*76.6*		*99.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*73.0*		"	*80.0*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*38.1*		"	*80.0*		*47.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*88.1*		"	*80.0*		*110*	*25-150*				
Surrogate: d5-N-EtFOSAA	*84.1*		"	*80.0*		*105*	*25-150*				
Surrogate: M2-6:2 FTS	*96.1*		"	*75.9*		*127*	*25-200*				
Surrogate: M2-8:2 FTS	*76.7*		"	*76.6*		*100*	*25-200*				
Surrogate: M9PFNA	*78.8*		"	*80.0*		*98.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21745 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BB21745-MS1) Matrix Spike	*Source sample: 22B0396-01 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Perfluorobutanesulfonic acid (PFBS)	74.4	1.92	ng/L	68.1	3.52	104	25-150				
Perfluorohexanoic acid (PFHxA)	167	1.92	"	76.9	111	73.4	25-150				
Perfluoroheptanoic acid (PFHpA)	402	1.92	"	76.9	314	114	25-150				
Perfluorohexanesulfonic acid (PFHxS)	61.3	1.92	"	70.0	2.78	83.6	25-150				
Perfluorooctanoic acid (PFOA)	188	1.92	"	76.9	120	88.0	25-150				
Perfluorooctanesulfonic acid (PFOS)	105	1.92	"	71.2	7.49	137	25-150				
Perfluorononanoic acid (PFNA)	67.3	1.92	"	76.9	8.82	76.1	25-150				
Perfluorodecanoic acid (PFDA)	80.6	1.92	"	76.9	ND	105	25-150				
Perfluoroundecanoic acid (PFUnA)	79.9	1.92	"	76.9	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	74.8	1.92	"	76.9	ND	97.2	25-150				
Perfluorotridecanoic acid (PFTrDA)	66.6	1.92	"	76.9	ND	86.6	25-150				
Perfluorotetradecanoic acid (PFTA)	73.9	1.92	"	76.9	ND	96.1	25-150				
N-MeFOSAA	75.3	1.92	"	76.9	ND	97.9	25-150				
N-EtFOSAA	87.7	1.92	"	76.9	ND	114	25-150				
Perfluoropentanoic acid (PFPeA)	254	1.92	"	76.9	193	79.3	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	99.7	1.92	"	76.9	ND	130	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.0	1.92	"	73.5	ND	120	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	60.0	1.92	"	74.2	ND	80.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	59.4	4.81	"	73.1	ND	81.3	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	73.6	1.92	"	73.8	ND	99.7	25-200				
Perfluoro-n-butanoic acid (PFBA)	117	1.92	"	76.9	57.6	77.1	25-150				
Surrogate: M3PFBS	*45.5*		"	*71.5*		*63.7*	*25-150*				
Surrogate: M5PFHxA	*55.5*		"	*76.9*		*72.2*	*25-150*				
Surrogate: M4PFHpA	*31.7*		"	*76.9*		*41.1*	*25-150*				
Surrogate: M3PFHxS	*65.6*		"	*72.8*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.6*		"	*76.9*		*98.2*	*25-150*				
Surrogate: M6PFDA	*64.4*		"	*76.9*		*83.7*	*25-150*				
Surrogate: M7PFUdA	*63.9*		"	*76.9*		*83.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*56.0*		"	*76.9*		*72.7*	*25-150*				
Surrogate: M2PFTeDA	*47.5*		"	*76.9*		*61.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*37.5*		"	*76.9*		*48.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.8*		"	*73.6*		*89.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*40.0*		"	*76.9*		*52.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*7.60*		"	*76.9*		*9.88*	*10-150*				
Surrogate: d3-N-MeFOSAA	*73.9*		"	*76.9*		*96.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.3*		"	*76.9*		*99.2*	*25-150*				
Surrogate: M2-6:2 FTS	*180*		"	*73.0*		*246*	*25-200*				
Surrogate: M2-8:2 FTS	*167*		"	*73.7*		*227*	*25-200*				
Surrogate: M9PFNA	*80.9*		"	*76.9*		*105*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21745 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BB21745-M Matrix Spike Dup	*Source sample: 22B0396-01 (Matrix Spike Dup)							Prepared & Analyzed: 02/10/2022			
Perfluorobutanesulfonic acid (PFBS)	72.9	1.92	ng/L	68.1	3.52	102	25-150		1.96	35	
Perfluorohexanoic acid (PFHxA)	160	1.92	"	76.9	111	64.5	25-150		4.14	35	
Perfluoroheptanoic acid (PFHpA)	387	1.92	"	76.9	314	95.4	25-150		3.63	35	
Perfluorohexanesulfonic acid (PFHxS)	63.3	1.92	"	70.0	2.78	86.5	25-150		3.18	35	
Perfluorooctanoic acid (PFOA)	166	1.92	"	76.9	120	60.6	25-150		11.9	35	
Perfluorooctanesulfonic acid (PFOS)	128	1.92	"	71.2	7.49	169	25-150	High Bias	19.3	35	
Perfluorononanoic acid (PFNA)	69.7	1.92	"	76.9	8.82	79.2	25-150		3.45	35	
Perfluorodecanoic acid (PFDA)	75.6	1.92	"	76.9	ND	98.3	25-150		6.30	35	
Perfluoroundecanoic acid (PFUnA)	85.1	1.92	"	76.9	ND	111	25-150		6.35	35	
Perfluorododecanoic acid (PFDoA)	72.6	1.92	"	76.9	ND	94.3	25-150		3.04	35	
Perfluorotridecanoic acid (PFTrDA)	69.2	1.92	"	76.9	ND	89.9	25-150		3.78	35	
Perfluorotetradecanoic acid (PFTA)	76.9	1.92	"	76.9	ND	100	25-150		3.96	35	
N-MeFOSAA	76.2	1.92	"	76.9	ND	99.1	25-150		1.24	35	
N-EtFOSAA	87.6	1.92	"	76.9	ND	114	25-150		0.176	35	
Perfluoropentanoic acid (PFPeA)	220	1.92	"	76.9	193	35.2	25-150		14.3	35	
Perfluoro-1-octanesulfonamide (FOSA)	79.1	1.92	"	76.9	ND	103	25-150		23.1	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	102	1.92	"	73.5	ND	139	25-150		14.7	35	
Perfluoro-1-decanesulfonic acid (PFDS)	78.2	1.92	"	74.2	ND	105	25-150		26.3	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	62.5	4.81	"	73.1	ND	85.5	25-200		5.05	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	87.2	1.92	"	73.8	ND	118	25-200		16.9	35	
Perfluoro-n-butanoic acid (PFBA)	125	1.92	"	76.9	57.6	87.7	25-150		6.77	35	
Surrogate: M3PFBS	*44.4*		*"*	*71.5*		*62.1*	*25-150*				
Surrogate: M5PFHxA	*51.8*		*"*	*76.9*		*67.4*	*25-150*				
Surrogate: M4PFHpA	*29.6*		*"*	*76.9*		*38.5*	*25-150*				
Surrogate: M3PFHxS	*58.8*		*"*	*72.8*		*80.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.0*		*"*	*76.9*		*104*	*25-150*				
Surrogate: M6PFDA	*68.7*		*"*	*76.9*		*89.2*	*25-150*				
Surrogate: M7PFUdA	*62.1*		*"*	*76.9*		*80.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.0*		*"*	*76.9*		*74.1*	*25-150*				
Surrogate: M2PFTeDA	*49.5*		*"*	*76.9*		*64.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*38.0*		*"*	*76.9*		*49.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*56.1*		*"*	*73.6*		*76.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*38.8*		*"*	*76.9*		*50.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*9.20*		*"*	*76.9*		*12.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*78.6*		*"*	*76.9*		*102*	*25-150*				
Surrogate: d5-N-EtFOSAA	*80.8*		*"*	*76.9*		*105*	*25-150*				
Surrogate: M2-6:2 FTS	*171*		*"*	*73.0*		*235*	*25-200*				
Surrogate: M2-8:2 FTS	*142*		*"*	*73.7*		*192*	*25-200*				
Surrogate: M9PFNA	*77.2*		*"*	*76.9*		*100*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21711 - EPA 3550C											
Blank (BB21711-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0384*		*"*	*0.0664*		*57.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0353*		*"*	*0.0664*		*53.2*	*30-150*				
LCS (BB21711-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
4,4'-DDD	0.0252	0.00164	mg/kg wet	0.0332		75.9	40-140				
4,4'-DDE	0.0263	0.00164	"	0.0332		79.3	40-140				
4,4'-DDT	0.0140	0.00164	"	0.0332		42.0	40-140				
Aldrin	0.0317	0.00164	"	0.0332		95.5	40-140				
alpha-BHC	0.0313	0.00164	"	0.0332		94.4	40-140				
alpha-Chlordane	0.0299	0.00164	"	0.0332		90.1	40-140				
beta-BHC	0.0289	0.00164	"	0.0332		87.1	40-140				
delta-BHC	0.0275	0.00164	"	0.0332		82.7	40-140				
Dieldrin	0.0292	0.00164	"	0.0332		88.0	40-140				
Endosulfan I	0.0316	0.00164	"	0.0332		95.2	40-140				
Endosulfan II	0.0268	0.00164	"	0.0332		80.8	40-140				
Endosulfan sulfate	0.0246	0.00164	"	0.0332		74.2	40-140				
Endrin	0.0229	0.00164	"	0.0332		69.0	40-140				
Endrin aldehyde	0.0373	0.00164	"	0.0332		112	40-140				
Endrin ketone	0.0319	0.00164	"	0.0332		96.0	40-140				
gamma-BHC (Lindane)	0.0306	0.00164	"	0.0332		92.2	40-140				
gamma-Chlordane	0.0300	0.00164	"	0.0332		90.2	40-140				
Heptachlor	0.0247	0.00164	"	0.0332		74.4	40-140				
Heptachlor epoxide	0.0305	0.00164	"	0.0332		91.7	40-140				
Methoxychlor	0.0186	0.00164	"	0.0332		55.9	40-140				
Surrogate: Decachlorobiphenyl	*0.0465*		*"*	*0.0664*		*70.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0405*		*"*	*0.0664*		*61.0*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix							Prepared & Analyzed: 02/07/2022				
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2B1415 - BB21494											
Performance Mix (Y2B1415-P Performance Mix							Prepared & Analyzed: 02/11/2022				
4,4'-DDD	23.5		ng/mL	0.00			0-200				
4,4'-DDE	3.37		"	0.00			0-200				
4,4'-DDT	245		"	200		122	0-200				
Endrin	158		"	100		158	0-200				
Endrin aldehyde	11.4		"	0.00			0-200				
Endrin ketone	19.9		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*353*		*"*	*200*		*176*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*295*		*"*	*200*		*148*	*0-200*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21711 - EPA 3550C											
Blank (BB21711-BLK2) Blank								Prepared & Analyzed: 02/10/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0512*		*"*	*0.0664*		*77.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0585*		*"*	*0.0664*		*88.0*	*30-150*				
LCS (BB21711-BS2) LCS								Prepared & Analyzed: 02/10/2022			
Aroclor 1016	0.256	0.0166	mg/kg wet	0.332		77.1	40-140			30	
Aroclor 1260	0.275	0.0166	"	0.332		82.7	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0532*		*"*	*0.0664*		*80.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0561*		*"*	*0.0664*		*84.5*	*30-150*				
Matrix Spike (BB21711-MS2) Matrix Spike	*Source sample: 22B0370-03 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Aroclor 1016	0.364	0.0192	mg/kg dry	0.384	ND	94.7	40-140			30	
Aroclor 1260	0.388	0.0192	"	0.384	ND	101	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0665*		*"*	*0.0768*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0703*		*"*	*0.0768*		*91.5*	*30-150*				
Matrix Spike Dup (BB21711-M Matrix Spike Dup	*Source sample: 22B0370-03 (Matrix Spike Dup)							Prepared: 02/10/2022 Analyzed: 02/11/2022			
Aroclor 1016	0.364	0.0192	mg/kg dry	0.384	ND	94.8	40-140		0.148	30	
Aroclor 1260	0.338	0.0192	"	0.384	ND	88.1	40-140		13.8	30	
Surrogate: Tetrachloro-m-xylene	*0.0657*		*"*	*0.0768*		*85.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0496*		*"*	*0.0768*		*64.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B1037 - BB21711											
Aroclor Reference (Y2B1037- Aroclor Reference									Prepared & Analyzed: 02/10/2022		
Surrogate: Tetrachloro-m-xylene	*0.200*		*ug/mL*	*0.200*		*100*					
Surrogate: Decachlorobiphenyl	*0.175*		*"*	*0.200*		*87.5*					
Batch Y2B1112 - BB21553											
Aroclor Reference (Y2B1112- Aroclor Reference									Prepared & Analyzed: 02/10/2022		
Surrogate: Tetrachloro-m-xylene	*0.191*		*ug/mL*	*0.200*		*95.5*					
Surrogate: Decachlorobiphenyl	*0.210*		*"*	*0.200*		*105*					
Batch Y2B1408 - BB21711											
Aroclor Reference (Y2B1408- Aroclor Reference									Prepared & Analyzed: 02/11/2022		
Surrogate: Tetrachloro-m-xylene	*0.197*		*ug/mL*	*0.200*		*98.5*					
Surrogate: Decachlorobiphenyl	*0.184*		*"*	*0.200*		*92.0*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21710 - EPA 3550C/8151A											
Blank (BB21710-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.297*		*"*	*0.415*		*71.4*	*21-150*				
LCS (BB21710-BS1) LCS									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	0.0756	0.0199	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0814	0.0199	"	0.133		61.2	10-120				
2,4-D	0.0797	0.0199	"	0.133		60.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.309*		*"*	*0.415*		*74.4*	*21-150*				
Matrix Spike (BB21710-MS1) Matrix Spike *Source sample: 22B0369-01 (Matrix Spike)									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	0.0909	0.0230	mg/kg dry	0.153	ND	59.4	10-120				
2,4,5-TP (Silvex)	0.0996	0.0230	"	0.153	ND	65.0	10-120				
2,4-D	0.0996	0.0230	"	0.153	ND	65.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.364*		*"*	*0.479*		*76.0*	*21-150*				
Matrix Spike Dup (BB21710-M Matrix Spike Dup *Source sample: 22B0369-01 (Matrix Spike Dup)									Prepared: 02/10/2022 Analyzed: 02/11/2022		
2,4,5-T	0.0814	0.0230	mg/kg dry	0.153	ND	53.1	10-120		11.1	35	
2,4,5-TP (Silvex)	0.0909	0.0230	"	0.153	ND	59.4	10-120		9.05	35	
2,4-D	0.0909	0.0230	"	0.153	ND	59.4	10-118		9.05	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.354*		*"*	*0.479*		*74.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21761 - EPA 3050B											
Blank (BB21761-BLK1) Blank									Prepared: 02/10/2022 Analyzed: 02/11/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	55.8	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	3.19	2.50	"								
Duplicate (BB21761-DUP1) Duplicate	*Source sample: 22B0437-08 (EP19_6.5)								Prepared: 02/10/2022 Analyzed: 02/11/2022		
Aluminum	6870	7.28	mg/kg dry		5640				19.5	35	
Antimony	ND	3.64	"		ND					35	
Arsenic	16.5	2.18	"		18.9				13.5	35	
Arsenic	16.5	2.18	"		18.9				13.5	35	
Barium	88.8	3.64	"		97.1				8.91	35	
Beryllium	0.345	0.073	"		0.219				44.6	35	Non-dir.
Cadmium	0.532	0.437	"		0.713				29.1	35	
Calcium	5270	7.28	"		3570				38.3	35	Non-dir.
Chromium	27.0	0.728	"		36.6				30.4	35	
Cobalt	12.7	0.582	"		15.2				18.0	35	
Copper	253	2.91	"		218				14.9	35	
Iron	20100	36.4	"		19600				2.43	35	
Lead	129	0.728	"		162				22.6	35	
Lead	129	0.728	"		162				22.6	35	
Magnesium	3100	7.28	"		3090				0.350	35	
Manganese	134	0.728	"		136				1.75	35	
Nickel	73.3	1.46	"		77.0				4.86	35	
Potassium	594	7.28	"		468				23.8	35	
Selenium	ND	3.64	"		ND					35	
Silver	ND	0.728	"		ND					35	
Sodium	308	72.8	"		211				37.6	35	Non-dir.
Thallium	ND	3.64	"		ND					35	
Vanadium	26.8	1.46	"		32.9				20.5	35	
Zinc	188	3.64	"		208				9.86	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21761 - EPA 3050B											
Matrix Spike (BB21761-MS1) Matrix Spike	*Source sample: 22B0437-08 (EP19_6.5)								Prepared: 02/10/2022 Analyzed: 02/11/2022		
Aluminum	7500	7.28	mg/kg dry	291	5640	637	75-125	High Bias			
Antimony	21.7	3.64	"	36.4	ND	59.6	75-125	Low Bias			
Arsenic	311	2.18	"	291	18.9	100	75-125				
Arsenic	311	2.18	"	291	18.9	100	75-125				
Barium	452	3.64	"	291	97.1	122	75-125				
Beryllium	8.26	0.073	"	7.28	0.219	110	75-125				
Cadmium	9.09	0.437	"	7.28	0.713	115	75-125				
Calcium	4790	7.28	"	146	3570	839	75-125	High Bias			
Chromium	55.9	0.728	"	29.1	36.6	66.3	75-125	Low Bias			
Cobalt	92.7	0.582	"	72.8	15.2	106	75-125				
Copper	463	2.91	"	36.4	218	673	75-125	High Bias			
Iron	48100	36.4	"	146	19600	NR	75-125	High Bias			
Lead	206	0.728	"	72.8	162	61.0	75-125	Low Bias			
Lead	206	0.728	"	72.8	162	61.0	75-125	Low Bias			
Magnesium	4260	7.28	"	146	3090	808	75-125	High Bias			
Manganese	369	0.728	"	72.8	136	319	75-125	High Bias			
Nickel	177	1.46	"	72.8	77.0	137	75-125	High Bias			
Potassium	1030	7.28	"	146	468	387	75-125	High Bias			
Selenium	177	3.64	"	291	ND	61.0	75-125	Low Bias			
Silver	7.54	0.728	"	7.28	ND	104	75-125				
Sodium	489	72.8	"	146	211	191	75-125	High Bias			
Thallium	279	3.64	"	291	ND	96.0	75-125				
Vanadium	110	1.46	"	72.8	32.9	106	75-125				
Zinc	370	3.64	"	72.8	208	223	75-125	High Bias			
Post Spike (BB21761-PS1) Post Spike	*Source sample: 22B0437-08 (EP19_6.5)								Prepared: 02/10/2022 Analyzed: 02/11/2022		
Aluminum	43.9		ug/mL	2.00	38.8	258	75-125	High Bias			
Antimony	0.307		"	0.250	0.022	114	75-125				
Arsenic	2.26		"	2.00	0.130	106	75-125				
Arsenic	2.26		"	2.00	0.130	106	75-125				
Barium	2.99		"	2.00	0.667	116	75-125				
Beryllium	0.058		"	0.0500	0.002	113	75-125				
Cadmium	0.060		"	0.0500	0.005	110	75-125				
Calcium	26.5		"	1.00	24.5	194	75-125	High Bias			
Chromium	0.465		"	0.200	0.252	107	75-125				
Cobalt	0.689		"	0.500	0.104	117	75-125				
Copper	1.75		"	0.250	1.50	102	75-125				
Iron	141		"	1.00	135	602	75-125	High Bias			
Lead	1.65		"	0.500	1.11	107	75-125				
Lead	1.65		"	0.500	1.11	107	75-125				
Magnesium	23.0		"	1.00	21.2	184	75-125	High Bias			
Manganese	1.48		"	0.500	0.938	108	75-125				
Nickel	1.14		"	0.500	0.529	122	75-125				
Potassium	4.66		"	1.00	3.21	145	75-125	High Bias			
Selenium	1.75		"	2.00	-0.161	87.6	75-125				
Silver	0.037		"	0.0500	-0.002	73.0	75-125	Low Bias			
Sodium	2.82		"	1.00	1.45	137	75-125	High Bias			
Thallium	2.15		"	2.00	-0.020	107	75-125				
Vanadium	0.783		"	0.500	0.226	111	75-125				
Zinc	1.97		"	0.500	1.43	108	75-125				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21723 - EPA 7473 soil												
Blank (BB21723-BLK1)	Blank								Prepared & Analyzed: 02/10/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB21723-DUP1)	Duplicate	*Source sample: 22B0281-02 (Duplicate)							Prepared & Analyzed: 02/10/2022			
Mercury		0.247	0.0342	mg/kg dry		0.150				49.2	35	Non-dir.
Matrix Spike (BB21723-MS1)	Matrix Spike	*Source sample: 22B0281-02 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Mercury		0.602		mg/kg	0.500	0.131	94.2	75-125				
Reference (BB21723-SRM1)	Reference								Prepared & Analyzed: 02/10/2022			
Mercury		18.594		mg/kg	27.2		68.4	59.9-140.1				
Batch BB21724 - EPA 7473 soil												
Blank (BB21724-BLK1)	Blank								Prepared & Analyzed: 02/10/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB21724-DUP1)	Duplicate	*Source sample: 22B0243-01 (Duplicate)							Prepared & Analyzed: 02/10/2022			
Mercury		0.176	0.0338	mg/kg dry		0.169				4.31	35	
Matrix Spike (BB21724-MS1)	Matrix Spike	*Source sample: 22B0243-01 (Matrix Spike)							Prepared & Analyzed: 02/10/2022			
Mercury		0.576		mg/kg	0.500	0.150	85.2	75-125				
Reference (BB21724-SRM1)	Reference								Prepared & Analyzed: 02/10/2022			
Mercury		16.882		mg/kg	27.2		62.1	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21725 - EPA SW846-3060												
Blank (BB21725-BLK1)	Blank								Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21725-DUP1)	Duplicate	*Source sample: 22B0437-04 (EP41_7.5)							Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent		ND	0.575	mg/kg dry		ND					35	
Matrix Spike (BB21725-MS1)	Matrix Spike	*Source sample: 22B0437-04 (EP41_7.5)							Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent		ND	0.575	mg/kg dry	23.0	ND		75-125	Low Bias			
Reference (BB21725-SRM1)	Reference								Prepared & Analyzed: 02/10/2022			
Chromium, Hexavalent		72.9		mg/L	109		66.8	30-169.7				
Batch BB21796 - Analysis Preparation Soil												
Blank (BB21796-BLK1)	Blank								Prepared & Analyzed: 02/11/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21796-DUP1)	Duplicate	*Source sample: 22B0522-05 (Duplicate)							Prepared & Analyzed: 02/11/2022			
Cyanide, total		ND	0.571	mg/kg dry		ND					15	
Matrix Spike (BB21796-MS1)	Matrix Spike	*Source sample: 22B0522-05 (Matrix Spike)							Prepared & Analyzed: 02/11/2022			
Cyanide, total		9.76	0.571	mg/kg dry	11.4	ND	85.5	79.6-107				
Reference (BB21796-SRM1)	Reference								Prepared & Analyzed: 02/11/2022			
Cyanide, total		87.8		ug/mL	86.8		101	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21729 - % Solids Prep											
Duplicate (BB21729-DUP1) Duplicate	*Source sample: 22B0437-08 (EP19_6.5)							Prepared & Analyzed: 02/10/2022			
% Solids	73.5	0.100	%		68.7				6.81	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0437-01	EP50_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0437-02	EP40_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0437-03	EP51_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0437-04	EP41_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SRD1	The serial dilution for this element was outside control limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported

RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0437

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st Street 8th floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semond	Contact:	Contact:
E-mail: Ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	X
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DOA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP50 - 7.5	S	2/1/22 1020	Target Part 375 VOCs and SVOCs, PCBs, Pesticides herbicides, metals including Cyanide hex, & trivalent chromium, PFAS, 1,4-dioxane	
EP40 - 7.5		1030	~~At Rush for all Sample~~	
EP51 - 7.5		1250	" " "	
EP41 - 7.5		1300	" " "	
EP16 - 6.5 **		1105	Indeno (1,2,3, cd) pyrene, Chrysene	
EP17 - 6.5 **		1100	Lead, Mercury	
EP18 - 6.5 **		1110	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b) Fluoranthene, Indeno (1,2,3-cd)pyrene, Chrysene	
EP19 - 6.5 **	↓	1115	Arsenic	
FB01 - PFAS - 02042022	AQ	1330	PFAS	
			** Sample to be 2-day TAT, all other samples run 5 days	

Comments: Please include lesmall@langan.com and maronica@langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company: [signature] Date/Time: 2/4/22 1510	1. Samples Received by / Company: [signature] Date/Time: 2/8/22 1510	1. Samples Relinquished by / Company: [signature] Date/Time: 2/9/22 1745
2. Samples Received by / Company: Mid N York Falls Date/Time: 2/9/22 1745	2. Samples Relinquished by / Company: Mid N York Falls Date/Time: 2/9/22 1958	2. Samples Received by / Company: Date/Time:
3. Samples Relinquished by / Company: Date/Time:	3. Samples Received by / Company: Date/Time:	Samples Received in LAB by: KBlocca Date/Time: 2/9/22 1958 Temperature: 1.4 Degrees C

Technical Report

prepared for:

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

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0522

Report Date: 02/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0522

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 10, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0522-01	EP20_7.5	Soil	02/10/2022	02/10/2022
22B0522-02	EP30_7.5	Soil	02/10/2022	02/10/2022
22B0522-03	EP31_7.5	Soil	02/10/2022	02/10/2022
22B0522-04	EP32_7.5	Soil	02/10/2022	02/10/2022
22B0522-05	DUP02_021022	Soil	02/10/2022	02/10/2022
22B0522-06	FB01_PFAS_02102022	Water	02/10/2022	02/10/2022

General Notes for York Project (SDG) No.: 22B0522

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

Approved By **Date:** 02/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.028**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.0073**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**	CCV-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**0.0044**	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**0.0055**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.0068**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**0.091**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.0063**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.014**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.014**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.027**		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.0089**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.0049**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.042**		mg/kg dry	0.0072	0.014	1	EPA 8260C	02/14/2022 06:39	02/14/2022 12:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*85.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	1.01	2.01	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	1.01	2.01	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.330**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.362**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.293**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.305**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.378**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.503	1.00	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.784**		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.458**	J	mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.707**		mg/kg dry	0.252	0.503	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	1.01	2.01	10	EPA 8270D	02/11/2022 07:53	02/11/2022 15:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.8 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*58.0 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*6.40 %*	QL-02	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.2 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.8 %*		*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.4 %*		*24-116*

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 15:22	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.324**		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:21	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*77.0 %*	*25-150*
Surrogate: M5PFHxA	*84.7 %*	*25-150*
Surrogate: M4PFHpA	*75.6 %*	*25-150*
Surrogate: M3PFHxS	*81.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.1 %*	*25-150*
Surrogate: M6PFDA	*91.2 %*	*25-150*
Surrogate: M7PFUdA	*69.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.1 %*	*25-150*
Surrogate: M2PFTeDA	*54.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*72.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*75.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*86.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*81.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*96.8 %*	*25-200*
Surrogate: M9PFNA	*85.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 10:46	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 10:46	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 10:46	CM

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.198	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0395	5	EPA 8081B	02/11/2022 07:51	02/14/2022 10:46	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.3 %*	*30-150*

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0200	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:06	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.0 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.0 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0241	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:00	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0241	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:00	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0241	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:00	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*11.8 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8660**	B	mg/kg dry	6.05	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.83**		mg/kg dry	1.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**111**		mg/kg dry	3.02	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.505**		mg/kg dry	0.363	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**22600**		mg/kg dry	6.05	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**31.9**		mg/kg dry	0.605	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**17.3**		mg/kg dry	0.484	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**74.3**		mg/kg dry	2.42	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19200**		mg/kg dry	30.2	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**209**		mg/kg dry	0.605	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**11400**		mg/kg dry	6.05	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**365**		mg/kg dry	0.605	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**185**		mg/kg dry	1.21	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**928**	B	mg/kg dry	6.05	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.801**		mg/kg dry	0.605	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**424**		mg/kg dry	60.5	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**34.4**		mg/kg dry	1.21	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**202**		mg/kg dry	3.02	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP20_7.5 **York Sample ID:** 22B0522-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 1:29 pm	02/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.372**		mg/kg dry	0.0363	1	EPA 7473	02/11/2022 17:24	02/11/2022 22:21	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.605	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**31.9**		mg/kg	0.500	1	Calculation	02/15/2022 15:43	02/15/2022 15:59	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.605	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.7**		%	0.100	1	SM 2540G	02/11/2022 10:45	02/11/2022 16:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.017**	CCV-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0062**	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.389**	J	mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.927	1.85	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.344**	J	mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.927	1.85	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.34**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.53**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.18**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.24**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.23**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.42**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.244**	J	mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.463	0.925	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**3.04**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.03**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.45**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.74**		mg/kg dry	0.232	0.463	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.927	1.85	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*63.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*67.2 %*	*24-116*

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 15:56	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.675**		ug/kg dry	0.280	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:33	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*71.2 %*	*25-150*
Surrogate: M5PFHxA	*75.8 %*	*25-150*
Surrogate: M4PFHpA	*72.1 %*	*25-150*
Surrogate: M3PFHxS	*84.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.5 %*	*25-150*
Surrogate: M6PFDA	*82.2 %*	*25-150*
Surrogate: M7PFUdA	*68.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.2 %*	*25-150*
Surrogate: M2PFTeDA	*47.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*67.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*69.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*55.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*77.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*101 %*	*25-200*
Surrogate: M2-8:2 FTS	*136 %*	*25-200*
Surrogate: M9PFNA	*92.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:03	CM

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:03	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.9 %*	*30-150*

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:19	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0221	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0221	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0221	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*24.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6080**	B	mg/kg dry	5.63	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP30_7.5** **York Sample ID:** **22B0522-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.82**		mg/kg dry	1.69	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**118**		mg/kg dry	2.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.386**		mg/kg dry	0.338	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**22800**		mg/kg dry	5.63	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.5**		mg/kg dry	0.563	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.5**		mg/kg dry	0.450	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**51.5**		mg/kg dry	2.25	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16100**		mg/kg dry	28.1	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**236**		mg/kg dry	0.563	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**14700**		mg/kg dry	5.63	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**301**		mg/kg dry	0.563	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**238**		mg/kg dry	1.13	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**861**	B	mg/kg dry	5.63	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**311**		mg/kg dry	56.3	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**25.4**		mg/kg dry	1.13	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**174**		mg/kg dry	2.81	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:34	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP30_7.5 **York Sample ID:** 22B0522-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:20 pm	02/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.395**		mg/kg dry	0.0338	1	EPA 7473	02/11/2022 17:24	02/11/2022 22:29	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.563	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.5**		mg/kg	0.500	1	Calculation	02/15/2022 15:43	02/15/2022 15:59	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.563	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	1	SM 2540G	02/11/2022 10:45	02/11/2022 16:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**	CCV-E	mg/kg dry	0.0050	0.010	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.0030**	J	mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	02/14/2022 06:39	02/14/2022 13:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.749**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.957	1.91	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.745**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.957	1.91	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**2.92**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**3.31**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.52**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**2.68**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.98**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.493**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**3.22**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.722**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.245**	J	mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.478	0.955	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**7.69**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.302**	J	mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.32**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.310**	J	mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**4.60**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**6.68**		mg/kg dry	0.240	0.478	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.957	1.91	10	EPA 8270D	02/11/2022 07:53	02/11/2022 16:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*54.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*50.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*48.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.2 %*	*24-116*

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 16:15	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*50.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.524**		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.440**		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**3.81**		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.476**		ug/kg dry	0.276	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:45	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*76.2 %*		*25-150*
Surrogate: M5PFHxA	*81.0 %*		*25-150*
Surrogate: M4PFHpA	*54.5 %*		*25-150*
Surrogate: M3PFHxS	*75.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*84.2 %*		*25-150*
Surrogate: M6PFDA	*80.3 %*		*25-150*
Surrogate: M7PFUdA	*53.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*50.1 %*		*25-150*
Surrogate: M2PFTeDA	*43.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*66.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*42.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*105 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*92.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*283 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*249 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*89.2 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:20	CM

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**0.00931**		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	**gamma-Chlordane**	**0.00739**		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	*** Chlordane, total**	**0.0816**		mg/kg dry	0.0376	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:20	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.4 %*	*30-150*

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:33	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.0 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.5 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*15.0 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6130**	B	mg/kg dry	5.75	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP31_7.5** **York Sample ID:** **22B0522-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.87**		mg/kg dry	1.73	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**83.8**		mg/kg dry	2.88	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.345	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**35200**		mg/kg dry	5.75	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**26.5**		mg/kg dry	0.575	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.9**		mg/kg dry	0.460	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**50.9**		mg/kg dry	2.30	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13600**		mg/kg dry	28.8	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**144**		mg/kg dry	0.575	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**14300**		mg/kg dry	5.75	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**229**		mg/kg dry	0.575	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**207**		mg/kg dry	1.15	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**838**	B	mg/kg dry	5.75	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.767**		mg/kg dry	0.575	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**332**		mg/kg dry	57.5	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.7**		mg/kg dry	1.15	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**109**		mg/kg dry	2.88	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:36	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP31_7.5 **York Sample ID:** 22B0522-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:30 pm	02/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.990**		mg/kg dry	0.0345	1	EPA 7473	02/11/2022 17:24	02/11/2022 22:38	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.575	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**26.5**		mg/kg	0.500	1	Calculation	02/15/2022 15:43	02/15/2022 15:59	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.575	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	02/11/2022 10:45	02/11/2022 16:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.010**	CCV-E	mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0053**	J	mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.0030**	J	mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:14	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.260**	J	mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.942	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.380**	J	mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.942	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**2.00**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**2.07**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.65**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.52**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.70**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2.04**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.485**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.470	0.940	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**4.32**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.32**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.70**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**3.58**		mg/kg dry	0.236	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.942	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:01	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*63.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*60.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*62.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*39.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.6 %*	*24-116*

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 16:32	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.405**		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.438**		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 13:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*76.9 %*	*25-150*
Surrogate: M5PFHxA	*79.3 %*	*25-150*
Surrogate: M4PFHpA	*74.3 %*	*25-150*
Surrogate: M3PFHxS	*79.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*95.8 %*	*25-150*
Surrogate: M6PFDA	*77.8 %*	*25-150*
Surrogate: M7PFUdA	*66.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.8 %*	*25-150*
Surrogate: M2PFTeDA	*50.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*72.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*71.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*78.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*55.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*87.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*124 %*	*25-200*
Surrogate: M2-8:2 FTS	*154 %*	*25-200*
Surrogate: M9PFNA	*94.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:37	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/14/2022 11:37	CM

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.186	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B	02/11/2022 07:51	02/14/2022 11:37	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.9 %*	*30-150*

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A	02/11/2022 07:51	02/11/2022 18:46	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*11.4 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7830**	B	mg/kg dry	5.74	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.65**		mg/kg dry	2.87	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP32_7.5** **York Sample ID:** **22B0522-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**9.57**		mg/kg dry	1.72	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**121**		mg/kg dry	2.87	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.420**		mg/kg dry	0.344	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**18800**		mg/kg dry	5.74	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**31.7**		mg/kg dry	0.574	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**22.4**		mg/kg dry	0.459	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**95.7**		mg/kg dry	2.29	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18600**		mg/kg dry	28.7	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**248**		mg/kg dry	0.574	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9990**		mg/kg dry	5.74	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**369**		mg/kg dry	0.574	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**191**		mg/kg dry	1.15	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1080**	B	mg/kg dry	5.74	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.587**		mg/kg dry	0.574	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**464**		mg/kg dry	57.4	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.9**		mg/kg dry	1.15	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**149**		mg/kg dry	2.87	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP32_7.5 **York Sample ID:** 22B0522-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 12:40 pm	02/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**3.70**		mg/kg dry	0.0344	1	EPA 7473	02/11/2022 17:24	02/11/2022 22:46	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.574	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**31.7**		mg/kg	0.500	1	Calculation	02/15/2022 15:43	02/15/2022 15:59	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.574	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.2**		%	0.100	1	SM 2540G	02/11/2022 10:45	02/11/2022 16:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0062**	CCV-E, J	mg/kg dry	0.0053	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0097**	J	mg/kg dry	0.0053	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	02/14/2022 06:39	02/14/2022 14:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.484**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.342**	J	mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.59**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.90**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.47**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.80**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.54**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.66**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.451**	J	mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.470	0.938	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**3.16**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.27**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.51**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**3.26**		mg/kg dry	0.235	0.470	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.940	1.88	10	EPA 8270D	02/11/2022 07:53	02/11/2022 17:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*73.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*58.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*69.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.0 %*	*24-116*

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/11/2022 07:49	02/14/2022 16:49	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*50.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	02/11/2022 12:08	02/15/2022 14:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.8 %*	*25-150*
Surrogate: M5PFHxA	*85.3 %*	*25-150*
Surrogate: M4PFHpA	*74.0 %*	*25-150*
Surrogate: M3PFHxS	*88.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*75.5 %*	*25-150*
Surrogate: M7PFUdA	*67.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.3 %*	*25-150*
Surrogate: M2PFTeDA	*51.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*72.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*77.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*84.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*92.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*138 %*	*25-200*
Surrogate: M9PFNA	*84.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/15/2022 09:46	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/15/2022 09:46	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/11/2022 07:51	02/15/2022 09:46	CM

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.186	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0372	5	EPA 8081B	02/11/2022 07:51	02/15/2022 09:46	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*76.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*54.9 %*	*30-150*

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A	02/11/2022 07:51	02/11/2022 19:00	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	02/12/2022 07:06	02/14/2022 16:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*26.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7650**	B	mg/kg dry	5.71	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**9.23**		mg/kg dry	1.71	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**217**		mg/kg dry	2.85	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.18**		mg/kg dry	0.342	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**34000**		mg/kg dry	5.71	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**25.6**		mg/kg dry	0.571	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**11.3**		mg/kg dry	0.457	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**51.4**		mg/kg dry	2.28	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16400**		mg/kg dry	28.5	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**350**		mg/kg dry	0.571	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8200**		mg/kg dry	5.71	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**317**		mg/kg dry	0.571	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**102**		mg/kg dry	1.14	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**979**	B	mg/kg dry	5.71	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**267**		mg/kg dry	57.1	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.6**		mg/kg dry	1.14	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**369**		mg/kg dry	2.85	1	EPA 6010D	02/11/2022 15:34	02/14/2022 18:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP02_021022 **York Sample ID:** 22B0522-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Soil	February 10, 2022 3:00 pm	02/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.399**		mg/kg dry	0.0342	1	EPA 7473	02/11/2022 17:24	02/11/2022 22:58	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	02/11/2022 09:15	02/11/2022 16:22	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**25.6**		mg/kg	0.500	1	Calculation	02/15/2022 15:43	02/15/2022 15:59	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.571	1	EPA 9014/9010C	02/11/2022 09:01	02/11/2022 15:25	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.6**		%	0.100	1	SM 2540G	02/11/2022 10:45	02/11/2022 16:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02102022** **York Sample ID:** **22B0522-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Water	February 10, 2022 2:00 pm	02/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	02/14/2022 10:47	02/14/2022 22:11	WL

Sample Information

Client Sample ID: FB01_PFAS_02102022 **York Sample ID:** 22B0522-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0522	170610601	Water	February 10, 2022 2:00 pm	02/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m	02/14/2022 10:47	02/14/2022 22:11	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*103 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*96.0 %*	*25-150*
Surrogate: M3PFHxS	*97.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*106 %*	*25-150*
Surrogate: M6PFDA	*114 %*	*25-150*
Surrogate: M7PFUdA	*115 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*112 %*	*25-150*
Surrogate: M2PFTeDA	*98.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*92.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*107 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*98.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*43.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*107 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*121 %*	*25-150*
Surrogate: M2-6:2 FTS	*75.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*130 %*	*25-200*
Surrogate: M9PFNA	*110 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21787 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21787-BLK1	Blank	02/11/22
BB21787-BS1	LCS	02/11/22
BB21787-MS1	Matrix Spike	02/11/22
BB21787-MSD1	Matrix Spike Dup	02/11/22

Batch ID: BB21788 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21788-BLK1	Blank	02/11/22
BB21788-BLK2	Blank	02/11/22
BB21788-BS1	LCS	02/11/22
BB21788-BS2	LCS	02/11/22
BB21788-MS2	Matrix Spike	02/11/22
BB21788-MSD2	Matrix Spike Dup	02/11/22

Batch ID: BB21789 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21789-BLK1	Blank	02/11/22
BB21789-BS1	LCS	02/11/22

Batch ID: BB21796 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date

22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21796-BLK1	Blank	02/11/22
BB21796-DUP1	Duplicate	02/11/22
BB21796-MS1	Matrix Spike	02/11/22
BB21796-SRM1	Reference	02/11/22

Batch ID: BB21799 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21799-BLK1	Blank	02/11/22
BB21799-DUP1	Duplicate	02/11/22
BB21799-MS1	Matrix Spike	02/11/22
BB21799-SRM1	Reference	02/11/22

Batch ID: BB21810 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21810-DUP1	Duplicate	02/11/22

Batch ID: BB21816 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21816-BLK1	Blank	02/11/22
BB21816-BS1	LCS	02/11/22
BB21816-MS1	Matrix Spike	02/11/22
BB21816-MSD1	Matrix Spike Dup	02/11/22

Batch ID: BB21836 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date

22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21836-BLK1	Blank	02/11/22
BB21836-DUP1	Duplicate	02/11/22
BB21836-MS1	Matrix Spike	02/11/22
BB21836-PS1	Post Spike	02/11/22
BB21836-SRM1	Reference	02/11/22

Batch ID: BB21845 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/11/22
22B0522-02	EP30_7.5	02/11/22
22B0522-03	EP31_7.5	02/11/22
22B0522-04	EP32_7.5	02/11/22
22B0522-05	DUP02_021022	02/11/22
BB21845-BLK1	Blank	02/11/22
BB21845-DUP1	Duplicate	02/11/22
BB21845-MS1	Matrix Spike	02/11/22
BB21845-SRM1	Reference	02/11/22

Batch ID: BB21853 **Preparation Method:** EPA 3550C/8151A **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/12/22
22B0522-02	EP30_7.5	02/12/22
22B0522-03	EP31_7.5	02/12/22
22B0522-04	EP32_7.5	02/12/22
22B0522-05	DUP02_021022	02/12/22
BB21853-BLK1	Blank	02/12/22
BB21853-BS1	LCS	02/12/22
BB21853-MS1	Matrix Spike	02/12/22
BB21853-MSD1	Matrix Spike Dup	02/12/22

Batch ID: BB21878 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-06	FB01_PFAS_02102022	02/14/22
BB21878-BLK1	Blank	02/14/22
BB21878-BS1	LCS	02/14/22
BB21878-BSD1	LCS Dup	02/14/22

Batch ID: BB21896 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/14/22

22B0522-02	EP30_7.5	02/14/22
22B0522-03	EP31_7.5	02/14/22
22B0522-04	EP32_7.5	02/14/22
22B0522-05	DUP02_021022	02/14/22
BB21896-BLK1	Blank	02/14/22
BB21896-BLK2	Blank	02/14/22
BB21896-BLK3	Blank	02/14/22
BB21896-BLK4	Blank	02/14/22
BB21896-BS1	LCS	02/14/22
BB21896-BSD1	LCS Dup	02/14/22

Batch ID: BB21984 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0522-01	EP20_7.5	02/15/22
22B0522-02	EP30_7.5	02/15/22
22B0522-03	EP31_7.5	02/15/22
22B0522-04	EP32_7.5	02/15/22
22B0522-05	DUP02_021022	02/15/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21896-BLK2) MeOH Blank									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK2) MeOH Blank									Prepared & Analyzed: 02/14/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.1*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.9*		*"*	*50.0*		*106*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.8*		*"*	*50.0*		*110*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21896 - EPA 5035A

Blank (BB21896-BLK3) HB-22B0522 — Prepared & Analyzed: 02/14/2022

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK3) HB-22B0522								Prepared & Analyzed: 02/14/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21896-BLK4) HB-22B0555								Prepared & Analyzed: 02/14/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK4) HB-22B0555									Prepared & Analyzed: 02/14/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS (BB21896-BS1) LCS							Prepared & Analyzed: 02/14/2022				
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.1	75-129				
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137				
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.7		"	50.0		99.4	58-146				
1,1,2-Trichloroethane	45.9		"	50.0		91.8	83-123				
1,1-Dichloroethane	48.5		"	50.0		97.0	75-130				
1,1-Dichloroethylene	53.9		"	50.0		108	64-137				
1,2,3-Trichlorobenzene	40.8		"	50.0		81.5	81-140				
1,2,3-Trichloropropane	43.5		"	50.0		87.0	81-126				
1,2,4-Trichlorobenzene	42.5		"	50.0		84.9	80-141				
1,2,4-Trimethylbenzene	45.0		"	50.0		89.9	84-125				
1,2-Dibromo-3-chloropropane	45.9		"	50.0		91.8	74-142				
1,2-Dibromoethane	45.7		"	50.0		91.5	86-123				
1,2-Dichlorobenzene	47.2		"	50.0		94.3	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	49.6		"	50.0		99.2	81-122				
1,3,5-Trimethylbenzene	46.6		"	50.0		93.1	82-126				
1,3-Dichlorobenzene	42.1		"	50.0		84.2	84-124				
1,4-Dichlorobenzene	43.5		"	50.0		87.1	84-124				
1,4-Dioxane	1080		"	1050		102	10-228				
2-Butanone	44.2		"	50.0		88.5	58-147				
2-Hexanone	49.0		"	50.0		97.9	70-139				
4-Methyl-2-pentanone	37.4		"	50.0		74.8	72-132				
Acetone	48.0		"	50.0		96.0	36-155				
Acrolein	30.3		"	50.0		60.5	10-238				
Acrylonitrile	49.4		"	50.0		98.8	66-141				
Benzene	48.2		"	50.0		96.5	77-127				
Bromochloromethane	53.9		"	50.0		108	74-129				
Bromodichloromethane	48.8		"	50.0		97.6	81-124				
Bromoform	47.8		"	50.0		95.7	80-136				
Bromomethane	98.2		"	50.0		196	32-177	High Bias			
Carbon disulfide	51.9		"	50.0		104	10-136				
Carbon tetrachloride	50.2		"	50.0		100	66-143				
Chlorobenzene	49.2		"	50.0		98.5	86-120				
Chloroethane	102		"	50.0		204	51-142	High Bias			
Chloroform	49.6		"	50.0		99.1	76-131				
Chloromethane	61.1		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	48.3		"	50.0		96.5	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.1	81-129				
Cyclohexane	46.7		"	50.0		93.5	70-130				
Dibromochloromethane	46.9		"	50.0		93.8	10-200				
Dibromomethane	47.9		"	50.0		95.8	83-124				
Dichlorodifluoromethane	52.6		"	50.0		105	28-158				
Ethyl Benzene	49.1		"	50.0		98.1	84-125				
Hexachlorobutadiene	42.6		"	50.0		85.2	83-133				
Isopropylbenzene	45.9		"	50.0		91.8	81-127				
Methyl acetate	44.4		"	50.0		88.8	41-143				
Methyl tert-butyl ether (MTBE)	47.2		"	50.0		94.3	74-131				
Methylcyclohexane	44.8		"	50.0		89.7	70-130				
Methylene chloride	53.4		"	50.0		107	57-141				
n-Butylbenzene	49.9		"	50.0		99.8	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS (BB21896-BS1) LCS								Prepared & Analyzed: 02/14/2022			
n-Propylbenzene	51.2		ug/L	50.0		102	74-136				
o-Xylene	50.8		"	50.0		102	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Isopropyltoluene	45.3		"	50.0		90.5	85-125				
sec-Butylbenzene	44.7		"	50.0		89.4	83-125				
Styrene	49.0		"	50.0		98.0	86-126				
tert-Butyl alcohol (TBA)	241		"	250		96.4	70-130				
tert-Butylbenzene	38.5		"	50.0		77.0	80-127	Low Bias			
Tetrachloroethylene	42.6		"	50.0		85.2	80-129				
Toluene	47.9		"	50.0		95.8	85-121				
trans-1,2-Dichloroethylene	50.6		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	47.5		"	50.0		95.1	78-132				
Trichloroethylene	47.5		"	50.0		95.1	84-123				
Trichlorofluoromethane	90.2		"	50.0		180	62-140	High Bias			
Vinyl Chloride	63.8		"	50.0		128	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*44.8*		*"*	*50.0*		*89.6*	*76-130*				
LCS Dup (BB21896-BSD1) LCS Dup								Prepared & Analyzed: 02/14/2022			
1,1,1,2-Tetrachloroethane	46.7		ug/L	50.0		93.4	75-129		0.257	30	
1,1,1-Trichloroethane	50.0		"	50.0		100	71-137		2.26	30	
1,1,2,2-Tetrachloroethane	41.8		"	50.0		83.6	79-129		6.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146		2.11	30	
1,1,2-Trichloroethane	45.5		"	50.0		91.0	83-123		0.853	30	
1,1-Dichloroethane	50.2		"	50.0		100	75-130		3.34	30	
1,1-Dichloroethylene	55.3		"	50.0		111	64-137		2.51	30	
1,2,3-Trichlorobenzene	42.0		"	50.0		84.0	81-140		3.07	30	
1,2,3-Trichloropropane	40.0		"	50.0		79.9	81-126	Low Bias	8.46	30	
1,2,4-Trichlorobenzene	43.6		"	50.0		87.3	80-141		2.74	30	
1,2,4-Trimethylbenzene	46.1		"	50.0		92.1	84-125		2.42	30	
1,2-Dibromo-3-chloropropane	44.7		"	50.0		89.3	74-142		2.69	30	
1,2-Dibromoethane	46.1		"	50.0		92.2	86-123		0.806	30	
1,2-Dichlorobenzene	48.4		"	50.0		96.7	85-122		2.55	30	
1,2-Dichloroethane	51.4		"	50.0		103	71-133		0.938	30	
1,2-Dichloropropane	50.7		"	50.0		101	81-122		2.23	30	
1,3,5-Trimethylbenzene	47.5		"	50.0		95.0	82-126		2.04	30	
1,3-Dichlorobenzene	43.8		"	50.0		87.5	84-124		3.84	30	
1,4-Dichlorobenzene	43.3		"	50.0		86.7	84-124		0.483	30	
1,4-Dioxane	1090		"	1050		104	10-228		1.19	30	
2-Butanone	43.5		"	50.0		87.0	58-147		1.71	30	
2-Hexanone	49.2		"	50.0		98.4	70-139		0.530	30	
4-Methyl-2-pentanone	37.6		"	50.0		75.3	72-132		0.586	30	
Acetone	47.4		"	50.0		94.8	36-155		1.22	30	
Acrolein	29.0		"	50.0		58.0	10-238		4.32	30	
Acrylonitrile	52.1		"	50.0		104	66-141		5.30	30	
Benzene	49.4		"	50.0		98.7	77-127		2.25	30	
Bromochloromethane	54.9		"	50.0		110	74-129		1.91	30	
Bromodichloromethane	50.0		"	50.0		100	81-124		2.39	30	
Bromoform	48.7		"	50.0		97.3	80-136		1.72	30	
Bromomethane	99.1		"	50.0		198	32-177	High Bias	0.882	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS Dup (BB21896-BSD1) LCS Dup								Prepared & Analyzed: 02/14/2022			
Carbon disulfide	52.9		ug/L	50.0		106	10-136		1.96	30	
Carbon tetrachloride	51.3		"	50.0		103	66-143		2.05	30	
Chlorobenzene	50.5		"	50.0		101	86-120		2.53	30	
Chloroethane	104		"	50.0		208	51-142	High Bias	1.99	30	
Chloroform	50.8		"	50.0		102	76-131		2.43	30	
Chloromethane	61.4		"	50.0		123	49-132		0.441	30	
cis-1,2-Dichloroethylene	50.9		"	50.0		102	74-132		5.28	30	
cis-1,3-Dichloropropylene	49.4		"	50.0		98.9	81-129		1.82	30	
Cyclohexane	49.1		"	50.0		98.1	70-130		4.86	30	
Dibromochloromethane	47.8		"	50.0		95.6	10-200		1.82	30	
Dibromomethane	48.8		"	50.0		97.5	83-124		1.80	30	
Dichlorodifluoromethane	53.2		"	50.0		106	28-158		1.17	30	
Ethyl Benzene	50.2		"	50.0		100	84-125		2.20	30	
Hexachlorobutadiene	43.0		"	50.0		85.9	83-133		0.841	30	
Isopropylbenzene	46.7		"	50.0		93.3	81-127		1.64	30	
Methyl acetate	45.3		"	50.0		90.6	41-143		2.05	30	
Methyl tert-butyl ether (MTBE)	47.8		"	50.0		95.7	74-131		1.41	30	
Methylcyclohexane	46.3		"	50.0		92.6	70-130		3.23	30	
Methylene chloride	53.9		"	50.0		108	57-141		0.839	30	
n-Butylbenzene	50.8		"	50.0		102	80-130		1.75	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		1.82	30	
o-Xylene	52.1		"	50.0		104	83-123		2.51	30	
p- & m- Xylenes	105		"	100		105	82-128		0.858	30	
p-Isopropyltoluene	47.0		"	50.0		94.0	85-125		3.73	30	
sec-Butylbenzene	45.6		"	50.0		91.3	83-125		2.08	30	
Styrene	50.0		"	50.0		99.9	86-126		1.96	30	
tert-Butyl alcohol (TBA)	250		"	250		100	70-130		3.87	30	
tert-Butylbenzene	39.1		"	50.0		78.3	80-127	Low Bias	1.70	30	
Tetrachloroethylene	43.8		"	50.0		87.6	80-129		2.73	30	
Toluene	48.8		"	50.0		97.5	85-121		1.78	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	72-132		3.84	30	
trans-1,3-Dichloropropylene	48.9		"	50.0		97.8	78-132		2.86	30	
Trichloroethylene	48.4		"	50.0		96.8	84-123		1.75	30	
Trichlorofluoromethane	93.9		"	50.0		188	62-140	High Bias	3.98	30	
Vinyl Chloride	64.1		"	50.0		128	52-130		0.469	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.1*		*"*	*50.0*		*90.2*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21789 - EPA 3546 SVOA

Blank (BB21789-BLK1) Blank — Prepared & Analyzed: 02/11/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21789 - EPA 3546 SVOA											
Blank (BB21789-BLK1) Blank									Prepared & Analyzed: 02/11/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.729*		"	*1.66*		*43.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.601*		"	*1.66*		*36.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.299*		"	*0.831*		*36.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.350*		"	*0.831*		*42.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.860*		"	*1.66*		*51.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.371*		"	*0.831*		*44.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21789 - EPA 3546 SVOA											
LCS (BB21789-BS1) LCS							Prepared & Analyzed: 02/11/2022				
1,1-Biphenyl	0.514	0.0416	mg/kg wet	0.831		61.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.877	0.0830	"	1.66		52.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.501	0.0416	"	1.66		30.2	17-137				
2,3,4,6-Tetrachlorophenol	0.581	0.0830	"	1.66		35.0	30-130				
2,4,5-Trichlorophenol	0.669	0.0416	"	1.66		40.3	27-118				
2,4,6-Trichlorophenol	0.779	0.0416	"	1.66		46.9	31-120				
2,4-Dichlorophenol	0.791	0.0416	"	1.66		47.6	20-127				
2,4-Dimethylphenol	0.722	0.0416	"	1.66		43.5	14-132				
2,4-Dinitrophenol	0.146	0.0830	"	1.66		8.80	10-171	Low Bias			
2,4-Dinitrotoluene	0.803	0.0416	"	1.66		48.3	34-131				
2,6-Dinitrotoluene	0.830	0.0416	"	1.66		50.0	31-128				
2-Chloronaphthalene	0.673	0.0416	"	1.66		40.5	31-117				
2-Chlorophenol	0.659	0.0416	"	1.66		39.7	33-113				
2-Methylnaphthalene	0.701	0.0416	"	1.66		42.2	12-138				
2-Methylphenol	0.652	0.0416	"	1.66		39.2	10-136				
2-Nitroaniline	0.733	0.0830	"	1.66		44.1	27-132				
2-Nitrophenol	0.852	0.0416	"	1.66		51.3	17-129				
3- & 4-Methylphenols	0.564	0.0416	"	1.66		34.0	29-103				
3,3-Dichlorobenzidine	0.637	0.0416	"	1.66		38.3	22-149				
3-Nitroaniline	0.630	0.0830	"	1.66		37.9	20-133				
4,6-Dinitro-2-methylphenol	0.601	0.0830	"	1.66		36.2	10-143				
4-Bromophenyl phenyl ether	0.723	0.0416	"	1.66		43.5	29-120				
4-Chloro-3-methylphenol	0.704	0.0416	"	1.66		42.4	24-129				
4-Chloroaniline	0.383	0.0416	"	1.66		23.1	10-132				
4-Chlorophenyl phenyl ether	0.762	0.0416	"	1.66		45.9	27-124				
4-Nitroaniline	0.662	0.0830	"	1.66		39.9	16-128				
4-Nitrophenol	0.883	0.0830	"	1.66		53.2	10-141				
Acenaphthene	0.676	0.0416	"	1.66		40.7	30-121				
Acenaphthylene	0.636	0.0416	"	1.66		38.3	30-115				
Acetophenone	0.502	0.0416	"	0.831		60.5	20-112				
Aniline	0.874	0.166	"	1.66		52.6	10-119				
Anthracene	0.746	0.0416	"	1.66		44.9	34-118				
Atrazine	0.729	0.0416	"	0.831		87.7	26-112				
Benzaldehyde	0.527	0.0416	"	0.831		63.5	21-100				
Benzo(a)anthracene	0.753	0.0416	"	1.66		45.3	32-122				
Benzo(a)pyrene	0.812	0.0416	"	1.66		48.9	29-133				
Benzo(b)fluoranthene	0.858	0.0416	"	1.66		51.6	25-133				
Benzo(g,h,i)perylene	0.925	0.0416	"	1.66		55.7	10-143				
Benzo(k)fluoranthene	0.804	0.0416	"	1.66		48.4	25-128				
Benzoic acid	0.164	0.0416	"	0.831		19.8	10-140				
Benzyl alcohol	0.582	0.0416	"	1.66		35.1	30-115				
Benzyl butyl phthalate	0.683	0.0416	"	1.66		41.1	26-126				
Bis(2-chloroethoxy)methane	0.578	0.0416	"	1.66		34.8	19-132				
Bis(2-chloroethyl)ether	1.21	0.0416	"	1.66		73.0	19-125				
Bis(2-chloroisopropyl)ether	0.511	0.0416	"	1.66		30.8	20-135				
Bis(2-ethylhexyl)phthalate	0.736	0.0416	"	1.66		44.3	10-155				
Caprolactam	0.640	0.0830	"	0.831		77.0	10-127				
Carbazole	0.697	0.0416	"	1.66		42.0	35-123				
Chrysene	0.734	0.0416	"	1.66		44.2	32-123				
Dibenzo(a,h)anthracene	0.986	0.0416	"	1.66		59.3	10-136				
Dibenzofuran	0.693	0.0416	"	1.66		41.7	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21789 - EPA 3546 SVOA											
LCS (BB21789-BS1) LCS							Prepared & Analyzed: 02/11/2022				
Diethyl phthalate	0.660	0.0416	mg/kg wet	1.66		39.7	34-116				
Dimethyl phthalate	0.700	0.0416	"	1.66		42.2	35-124				
Di-n-butyl phthalate	0.665	0.0416	"	1.66		40.0	31-116				
Di-n-octyl phthalate	0.771	0.0416	"	1.66		46.4	26-136				
Diphenylamine	0.818	0.0830	"	1.66		49.3	40-140				
Fluoranthene	0.723	0.0416	"	1.66		43.5	33-122				
Fluorene	0.700	0.0416	"	1.66		42.1	29-123				
Hexachlorobenzene	0.554	0.0416	"	1.66		33.3	21-124				
Hexachlorobutadiene	0.757	0.0416	"	1.66		45.6	10-149				
Hexachlorocyclopentadiene	0.101	0.0416	"	1.66		6.08	10-129	Low Bias			
Hexachloroethane	0.593	0.0416	"	1.66		35.7	28-108				
Indeno(1,2,3-cd)pyrene	0.901	0.0416	"	1.66		54.3	10-135				
Isophorone	0.584	0.0416	"	1.66		35.2	20-132				
Naphthalene	0.673	0.0416	"	1.66		40.5	23-124				
Nitrobenzene	0.574	0.0416	"	1.66		34.5	13-132				
N-Nitrosodimethylamine	0.528	0.0416	"	1.66		31.8	11-129				
N-nitroso-di-n-propylamine	0.488	0.0416	"	1.66		29.4	24-119				
N-Nitrosodiphenylamine	0.784	0.0416	"	1.66		47.2	22-152				
Pentachlorophenol	0.174	0.0416	"	1.66		10.5	10-139				
Phenanthrene	0.684	0.0416	"	1.66		41.2	33-123				
Phenol	0.658	0.0416	"	1.66		39.6	23-115				
Pyrene	0.713	0.0416	"	1.66		42.9	24-130				
Pyridine	0.509	0.166	"	1.66		30.7	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.38*		*"*	*1.66*		*82.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.21*		*"*	*1.66*		*72.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.608*		*"*	*0.831*		*73.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.713*		*"*	*0.831*		*85.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.76*		*"*	*1.66*		*106*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.760*		*"*	*0.831*		*91.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21787 - EPA 3550C											
Blank (BB21787-BLK1) Blank								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*347*		*"*	*495*		*70.0*	*39-127.5*				
LCS (BB21787-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	511	19.8	ug/kg	495		103	40-130				
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
Matrix Spike (BB21787-MS1) Matrix Spike *Source sample: 22B0437-01 (Matrix Spike)								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	525	19.8	ug/kg	495	ND	106	40-130				
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				
Matrix Spike Dup (BB21787-M Matrix Spike Dup *Source sample: 22B0437-01 (Matrix Spike Dup)								Prepared: 02/11/2022 Analyzed: 02/14/2022			
1,4-Dioxane	525	19.8	ug/kg	495	ND	106	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21816 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21816-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/15/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.85*		"	*4.49*		*108*	*25-150*				
Surrogate: M5PFHxA	*4.90*		"	*4.83*		*101*	*25-150*				
Surrogate: M4PFHpA	*4.83*		"	*4.83*		*100*	*25-150*				
Surrogate: M3PFHxS	*5.02*		"	*4.57*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.10*		"	*4.83*		*106*	*25-150*				
Surrogate: M6PFDA	*4.38*		"	*4.83*		*90.7*	*25-150*				
Surrogate: M7PFUdA	*4.62*		"	*4.83*		*95.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.92*		"	*4.83*		*81.2*	*25-150*				
Surrogate: M2PFTeDA	*3.40*		"	*4.83*		*70.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.45*		"	*4.83*		*92.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.61*		"	*4.62*		*99.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.10*		"	*4.83*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.06*		"	*4.83*		*84.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.57*		"	*4.83*		*94.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.22*		"	*4.83*		*87.3*	*25-150*				
Surrogate: M2-6:2 FTS	*4.21*		"	*4.58*		*91.7*	*25-200*				
Surrogate: M2-8:2 FTS	*5.42*		"	*4.63*		*117*	*25-200*				
Surrogate: M9PFNA	*5.01*		"	*4.83*		*104*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21816 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21816-BS1) LCS								Prepared: 02/11/2022 Analyzed: 02/15/2022			
Perfluorobutanesulfonic acid (PFBS)	3.96	0.235	ug/kg wet	4.15		95.3	50-130				
Perfluorohexanoic acid (PFHxA)	4.61	0.235	"	4.69		98.2	50-130				
Perfluoroheptanoic acid (PFHpA)	4.63	0.235	"	4.69		98.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.65	0.235	"	4.27		109	50-130				
Perfluorooctanoic acid (PFOA)	4.04	0.235	"	4.69		86.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.43	0.235	"	4.34		102	50-130				
Perfluorononanoic acid (PFNA)	3.75	0.235	"	4.69		79.9	50-130				
Perfluorodecanoic acid (PFDA)	4.38	0.235	"	4.69		93.4	50-130				
Perfluoroundecanoic acid (PFUnA)	4.54	0.235	"	4.69		96.7	50-130				
Perfluorododecanoic acid (PFDoA)	4.22	0.235	"	4.69		90.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.19	0.235	"	4.69		89.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.82	0.235	"	4.69		103	50-130				
N-MeFOSAA	5.64	0.235	"	4.69		120	50-130				
N-EtFOSAA	3.87	0.235	"	4.69		82.5	50-130				
Perfluoropentanoic acid (PFPeA)	4.80	0.235	"	4.69		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.49	0.235	"	4.69		95.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.08	0.235	"	4.48		113	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.03	0.235	"	4.53		88.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.61	0.235	"	4.46		126	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.18	0.235	"	4.51		70.6	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.71	0.235	"	4.69		100	50-130				
Surrogate: M3PFBS	*4.04*		*"*	*4.36*		*92.6*	*25-150*				
Surrogate: M5PFHxA	*4.42*		*"*	*4.69*		*94.2*	*25-150*				
Surrogate: M4PFHpA	*4.39*		*"*	*4.69*		*93.5*	*25-150*				
Surrogate: M3PFHxS	*3.68*		*"*	*4.44*		*82.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.34*		*"*	*4.69*		*114*	*25-150*				
Surrogate: M6PFDA	*4.08*		*"*	*4.69*		*86.8*	*25-150*				
Surrogate: M7PFUdA	*3.42*		*"*	*4.69*		*72.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.67*		*"*	*4.69*		*78.2*	*25-150*				
Surrogate: M2PFTeDA	*2.62*		*"*	*4.69*		*55.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.17*		*"*	*4.69*		*88.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.80*		*"*	*4.49*		*84.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.03*		*"*	*4.69*		*85.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.51*		*"*	*4.69*		*74.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.08*		*"*	*4.69*		*65.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.50*		*"*	*4.69*		*74.6*	*25-150*				
Surrogate: M2-6:2 FTS	*3.37*		*"*	*4.45*		*75.7*	*25-200*				
Surrogate: M2-8:2 FTS	*5.67*		*"*	*4.50*		*126*	*25-200*				
Surrogate: M9PFNA	*4.73*		*"*	*4.69*		*101*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21816 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB21816-MS1) Matrix Spike	*Source sample: 22B0506-02 (Matrix Spike)								Prepared: 02/11/2022 Analyzed: 02/15/2022		
Perfluorobutanesulfonic acid (PFBS)	4.03	0.242	ug/kg dry	4.29	ND	93.9	25-150				
Perfluorohexanoic acid (PFHxA)	4.88	0.242	"	4.85	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	5.11	0.242	"	4.85	ND	105	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.74	0.242	"	4.41	ND	107	25-150				
Perfluorooctanoic acid (PFOA)	4.69	0.242	"	4.85	ND	96.7	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.31	0.242	"	4.48	ND	118	25-150				
Perfluorononanoic acid (PFNA)	4.64	0.242	"	4.85	ND	95.7	25-150				
Perfluorodecanoic acid (PFDA)	4.78	0.242	"	4.85	ND	98.6	25-150				
Perfluoroundecanoic acid (PFUnA)	5.16	0.242	"	4.85	ND	107	25-150				
Perfluorododecanoic acid (PFDoA)	4.64	0.242	"	4.85	ND	95.7	25-150				
Perfluorotridecanoic acid (PFTrDA)	3.70	0.242	"	4.85	ND	76.4	25-150				
Perfluorotetradecanoic acid (PFTA)	4.87	0.242	"	4.85	ND	101	25-150				
N-MeFOSAA	4.64	0.242	"	4.85	ND	95.7	25-150				
N-EtFOSAA	4.48	0.242	"	4.85	ND	92.3	25-150				
Perfluoropentanoic acid (PFPeA)	4.63	0.242	"	4.85	ND	95.5	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.60	0.242	"	4.85	ND	94.9	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.49	0.242	"	4.63	ND	119	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	0.242	"	4.68	ND	82.6	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.12	0.242	"	4.60	ND	89.5	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.52	0.242	"	4.65	ND	97.1	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.05	0.242	"	4.85	ND	104	25-150				
Surrogate: M3PFBS	*3.68*		*"*	*4.50*		*81.8*	*25-150*				
Surrogate: M5PFHxA	*4.57*		*"*	*4.85*		*94.3*	*25-150*				
Surrogate: M4PFHpA	*4.24*		*"*	*4.85*		*87.6*	*25-150*				
Surrogate: M3PFHxS	*4.27*		*"*	*4.58*		*93.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.73*		*"*	*4.85*		*97.7*	*25-150*				
Surrogate: M6PFDA	*4.77*		*"*	*4.85*		*98.4*	*25-150*				
Surrogate: M7PFUdA	*4.34*		*"*	*4.85*		*89.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.62*		*"*	*4.85*		*74.6*	*25-150*				
Surrogate: M2PFTeDA	*2.50*		*"*	*4.85*		*51.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.10*		*"*	*4.85*		*84.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.22*		*"*	*4.64*		*91.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.37*		*"*	*4.85*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.99*		*"*	*4.85*		*82.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.18*		*"*	*4.85*		*128*	*25-150*				
Surrogate: d5-N-EtFOSAA	*6.06*		*"*	*4.85*		*125*	*25-150*				
Surrogate: M2-6:2 FTS	*4.87*		*"*	*4.60*		*106*	*25-200*				
Surrogate: M2-8:2 FTS	*8.36*		*"*	*4.64*		*180*	*25-200*				
Surrogate: M9PFNA	*5.16*		*"*	*4.85*		*106*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21816 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB21816-M Matrix Spike Dup	*Source sample: 22B0506-02 (Matrix Spike Dup)								Prepared: 02/11/2022 Analyzed: 02/15/2022		
Perfluorobutanesulfonic acid (PFBS)	4.15	0.246	ug/kg dry	4.36	ND	95.3	25-150		3.08	35	
Perfluorohexanoic acid (PFHxA)	4.61	0.246	"	4.92	ND	93.6	25-150		5.81	35	
Perfluoroheptanoic acid (PFHpA)	5.19	0.246	"	4.92	ND	105	25-150		1.52	35	
Perfluorohexanesulfonic acid (PFHxS)	4.04	0.246	"	4.48	ND	90.1	25-150		16.0	35	
Perfluorooctanoic acid (PFOA)	4.37	0.246	"	4.92	ND	88.8	25-150		6.90	35	
Perfluorooctanesulfonic acid (PFOS)	4.14	0.246	"	4.56	ND	90.8	25-150		24.9	35	
Perfluorononanoic acid (PFNA)	3.74	0.246	"	4.92	ND	75.9	25-150		21.5	35	
Perfluorodecanoic acid (PFDA)	4.39	0.246	"	4.92	ND	89.2	25-150		8.37	35	
Perfluoroundecanoic acid (PFUnA)	4.38	0.246	"	4.92	ND	89.0	25-150		16.4	35	
Perfluorododecanoic acid (PFDoA)	4.22	0.246	"	4.92	ND	85.7	25-150		9.50	35	
Perfluorotridecanoic acid (PFTrDA)	2.93	0.246	"	4.92	ND	59.6	25-150		23.1	35	
Perfluorotetradecanoic acid (PFTA)	4.68	0.246	"	4.92	ND	95.0	25-150		4.04	35	
N-MeFOSAA	6.01	0.246	"	4.92	ND	122	25-150		25.8	35	
N-EtFOSAA	5.17	0.246	"	4.92	ND	105	25-150		14.5	35	
Perfluoropentanoic acid (PFPeA)	4.53	0.246	"	4.92	ND	91.9	25-150		2.25	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.05	0.246	"	4.92	ND	82.3	25-150		12.7	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.64	0.246	"	4.70	ND	98.6	25-150		16.7	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.36	0.246	"	4.75	ND	70.7	25-150		13.9	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.33	0.246	"	4.68	ND	92.5	25-200		4.90	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.32	0.246	"	4.73	ND	70.2	25-200		30.6	35	
Perfluoro-n-butanoic acid (PFBA)	4.60	0.246	"	4.92	ND	93.3	25-150		9.38	35	
Surrogate: M3PFBS	*3.98*		"	*4.58*		*87.0*	*25-150*				
Surrogate: M5PFHxA	*4.62*		"	*4.92*		*93.8*	*25-150*				
Surrogate: M4PFHpA	*4.10*		"	*4.92*		*83.2*	*25-150*				
Surrogate: M3PFHxS	*4.16*		"	*4.66*		*89.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.70*		"	*4.92*		*95.4*	*25-150*				
Surrogate: M6PFDA	*4.33*		"	*4.92*		*88.0*	*25-150*				
Surrogate: M7PFUdA	*4.17*		"	*4.92*		*84.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.70*		"	*4.92*		*75.1*	*25-150*				
Surrogate: M2PFTeDA	*2.17*		"	*4.92*		*44.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.23*		"	*4.92*		*85.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.37*		"	*4.71*		*92.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.38*		"	*4.92*		*89.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.11*		"	*4.92*		*83.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.11*		"	*4.92*		*63.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.10*		"	*4.92*		*62.9*	*25-150*				
Surrogate: M2-6:2 FTS	*4.47*		"	*4.67*		*95.7*	*25-200*				
Surrogate: M2-8:2 FTS	*5.78*		"	*4.72*		*123*	*25-200*				
Surrogate: M9PFNA	*5.34*		"	*4.92*		*109*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21878-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*81.6*		"	*74.3*		*110*	*25-150*				
Surrogate: M5PFHxA	*89.1*		"	*80.0*		*111*	*25-150*				
Surrogate: M4PFHpA	*86.3*		"	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*80.3*		"	*75.7*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*97.8*		"	*80.0*		*122*	*25-150*				
Surrogate: M6PFDA	*97.8*		"	*80.0*		*122*	*25-150*				
Surrogate: M7PFUdA	*92.6*		"	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*94.1*		"	*80.0*		*118*	*25-150*				
Surrogate: M2PFTeDA	*73.2*		"	*80.0*		*91.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*84.1*		"	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.3*		"	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.1*		"	*80.0*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.0*		"	*80.0*		*30.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.9*		"	*80.0*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*90.5*		"	*80.0*		*113*	*25-150*				
Surrogate: M2-6:2 FTS	*79.3*		"	*75.9*		*104*	*25-200*				
Surrogate: M2-8:2 FTS	*127*		"	*76.6*		*165*	*25-200*				
Surrogate: M9PFNA	*96.9*		"	*80.0*		*121*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21878-BS1) LCS							Prepared & Analyzed: 02/14/2022				
Perfluorobutanesulfonic acid (PFBS)	81.2	2.00	ng/L	70.8		115	50-130				
Perfluorohexanoic acid (PFHxA)	92.2	2.00	"	80.0		115	50-130				
Perfluoroheptanoic acid (PFHpA)	90.5	2.00	"	80.0		113	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.8	2.00	"	72.8		114	50-130				
Perfluorooctanoic acid (PFOA)	84.0	2.00	"	80.0		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	84.3	2.00	"	74.0		114	50-130				
Perfluorononanoic acid (PFNA)	86.8	2.00	"	80.0		108	50-130				
Perfluorodecanoic acid (PFDA)	89.6	2.00	"	80.0		112	50-130				
Perfluoroundecanoic acid (PFUnA)	98.2	2.00	"	80.0		123	50-130				
Perfluorododecanoic acid (PFDoA)	82.3	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	79.1	2.00	"	80.0		98.9	50-130				
Perfluorotetradecanoic acid (PFTA)	90.9	2.00	"	80.0		114	50-130				
N-MeFOSAA	95.1	2.00	"	80.0		119	50-130				
N-EtFOSAA	84.0	2.00	"	80.0		105	50-130				
Perfluoropentanoic acid (PFPeA)	91.0	2.00	"	80.0		114	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	68.2	2.00	"	80.0		85.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	95.8	2.00	"	76.4		125	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	77.7	2.00	"	77.2		101	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	83.1	5.00	"	76.0		109	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	76.9	2.00	"	76.8		100	50-175				
Perfluoro-n-butanoic acid (PFBA)	91.9	2.00	"	80.0		115	50-130				
Surrogate: M3PFBS	*72.5*		*"*	*74.3*		*97.5*	*25-150*				
Surrogate: M5PFHxA	*78.5*		*"*	*80.0*		*98.2*	*25-150*				
Surrogate: M4PFHpA	*76.7*		*"*	*80.0*		*95.8*	*25-150*				
Surrogate: M3PFHxS	*72.8*		*"*	*75.7*		*96.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.4*		*"*	*80.0*		*113*	*25-150*				
Surrogate: M6PFDA	*88.3*		*"*	*80.0*		*110*	*25-150*				
Surrogate: M7PFUdA	*80.9*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.0*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*63.2*		*"*	*80.0*		*79.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8*		*"*	*80.0*		*93.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.1*		*"*	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.9*		*"*	*80.0*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*9.17*		*"*	*80.0*		*11.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*80.7*		*"*	*80.0*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*84.2*		*"*	*80.0*		*105*	*25-150*				
Surrogate: M2-6:2 FTS	*77.7*		*"*	*75.9*		*102*	*25-200*				
Surrogate: M2-8:2 FTS	*111*		*"*	*76.6*		*145*	*25-200*				
Surrogate: M9PFNA	*91.7*		*"*	*80.0*		*115*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21878-BSD1) LCS Dup							Prepared & Analyzed: 02/14/2022				
Perfluorobutanesulfonic acid (PFBS)	65.5	2.00	ng/L	70.8		92.5	50-130		21.5	30	
Perfluorohexanoic acid (PFHxA)	70.9	2.00	"	80.0		88.6	50-130		26.1	30	
Perfluoroheptanoic acid (PFHpA)	69.0	2.00	"	80.0		86.3	50-130		27.0	30	
Perfluorohexanesulfonic acid (PFHxS)	60.8	2.00	"	72.8		83.5	50-130		30.7	30	Non-dir.
Perfluorooctanoic acid (PFOA)	70.9	2.00	"	80.0		88.7	50-130		16.9	30	
Perfluorooctanesulfonic acid (PFOS)	77.0	2.00	"	74.0		104	50-130		9.09	30	
Perfluorononanoic acid (PFNA)	64.8	2.00	"	80.0		81.0	50-130		28.9	30	
Perfluorodecanoic acid (PFDA)	72.4	2.00	"	80.0		90.5	50-130		21.2	30	
Perfluoroundecanoic acid (PFUnA)	76.6	2.00	"	80.0		95.8	50-130		24.8	30	
Perfluorododecanoic acid (PFDoA)	65.5	2.00	"	80.0		81.9	50-130		22.7	30	
Perfluorotridecanoic acid (PFTrDA)	61.7	2.00	"	80.0		77.1	50-130		24.8	30	
Perfluorotetradecanoic acid (PFTA)	73.3	2.00	"	80.0		91.6	50-130		21.5	30	
N-MeFOSAA	80.0	2.00	"	80.0		100	50-130		17.2	30	
N-EtFOSAA	67.4	2.00	"	80.0		84.3	50-130		21.9	30	
Perfluoropentanoic acid (PFPeA)	72.1	2.00	"	80.0		90.1	50-130		23.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	59.6	2.00	"	80.0		74.5	50-130		13.4	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	86.4	2.00	"	76.4		113	50-130		10.4	30	
Perfluoro-1-decanesulfonic acid (PFDS)	69.8	2.00	"	77.2		90.4	50-130		10.8	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	69.3	5.00	"	76.0		91.2	50-175		18.1	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	66.1	2.00	"	76.8		86.0	50-175		15.1	30	
Perfluoro-n-butanoic acid (PFBA)	74.4	2.00	"	80.0		93.0	50-130		21.1	30	
Surrogate: M3PFBS	*73.1*		"	*74.3*		*98.3*	*25-150*				
Surrogate: M5PFHxA	*83.7*		"	*80.0*		*105*	*25-150*				
Surrogate: M4PFHpA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M3PFHxS	*78.2*		"	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.6*		"	*80.0*		*114*	*25-150*				
Surrogate: M6PFDA	*91.4*		"	*80.0*		*114*	*25-150*				
Surrogate: M7PFUdA	*79.0*		"	*80.0*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*88.8*		"	*80.0*		*111*	*25-150*				
Surrogate: M2PFTeDA	*68.9*		"	*80.0*		*86.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.2*		"	*80.0*		*94.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.3*		"	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.3*		"	*80.0*		*95.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.4*		"	*80.0*		*19.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*82.7*		"	*80.0*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*93.7*		"	*80.0*		*117*	*25-150*				
Surrogate: M2-6:2 FTS	*87.1*		"	*75.9*		*115*	*25-200*				
Surrogate: M2-8:2 FTS	*138*		"	*76.6*		*180*	*25-200*				
Surrogate: M9PFNA	*95.9*		"	*80.0*		*120*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21788 - EPA 3550C											
Blank (BB21788-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/13/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0445*		*"*	*0.0664*		*66.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0419*		*"*	*0.0664*		*63.1*	*30-150*				
LCS (BB21788-BS1) LCS									Prepared: 02/11/2022 Analyzed: 02/13/2022		
4,4'-DDD	0.0240	0.00164	mg/kg wet	0.0332		72.3	40-140				
4,4'-DDE	0.0315	0.00164	"	0.0332		94.7	40-140				
4,4'-DDT	0.0182	0.00164	"	0.0332		54.8	40-140				
Aldrin	0.0301	0.00164	"	0.0332		90.7	40-140				
alpha-BHC	0.0300	0.00164	"	0.0332		90.3	40-140				
alpha-Chlordane	0.0306	0.00164	"	0.0332		92.2	40-140				
beta-BHC	0.0279	0.00164	"	0.0332		83.9	40-140				
delta-BHC	0.0292	0.00164	"	0.0332		87.8	40-140				
Dieldrin	0.0287	0.00164	"	0.0332		86.3	40-140				
Endosulfan I	0.0293	0.00164	"	0.0332		88.1	40-140				
Endosulfan II	0.0274	0.00164	"	0.0332		82.5	40-140				
Endosulfan sulfate	0.0244	0.00164	"	0.0332		73.4	40-140				
Endrin	0.0265	0.00164	"	0.0332		79.6	40-140				
Endrin aldehyde	0.0365	0.00164	"	0.0332		110	40-140				
Endrin ketone	0.0269	0.00164	"	0.0332		81.0	40-140				
gamma-BHC (Lindane)	0.0284	0.00164	"	0.0332		85.5	40-140				
gamma-Chlordane	0.0298	0.00164	"	0.0332		89.8	40-140				
Heptachlor	0.0245	0.00164	"	0.0332		73.7	40-140				
Heptachlor epoxide	0.0298	0.00164	"	0.0332		89.6	40-140				
Methoxychlor	0.0246	0.00164	"	0.0332		74.0	40-140				
Surrogate: Decachlorobiphenyl	*0.0438*		*"*	*0.0664*		*66.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0431*		*"*	*0.0664*		*64.8*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix										Prepared & Analyzed: 02/07/2022	
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21788 - EPA 3550C											
Blank (BB21788-BLK2) Blank								Prepared & Analyzed: 02/11/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0522*		*"*	*0.0664*		*78.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0452*		*"*	*0.0664*		*68.0*	*30-150*				
LCS (BB21788-BS2) LCS								Prepared & Analyzed: 02/11/2022			
Aroclor 1016	0.305	0.0166	mg/kg wet	0.332		91.9	40-140			30	
Aroclor 1260	0.288	0.0166	"	0.332		86.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0555*		*"*	*0.0664*		*83.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0429*		*"*	*0.0664*		*64.5*	*30-150*				
Matrix Spike (BB21788-MS2) Matrix Spike	*Source sample: 22B0461-01 (Matrix Spike)							Prepared & Analyzed: 02/11/2022			
Aroclor 1016	0.445	0.0222	mg/kg dry	0.444	ND	100	40-140			30	
Aroclor 1260	0.392	0.0222	"	0.444	ND	88.3	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0737*		*"*	*0.0888*		*83.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0586*		*"*	*0.0888*		*66.0*	*30-150*				
Matrix Spike Dup (BB21788-M Matrix Spike Dup	*Source sample: 22B0461-01 (Matrix Spike Dup)							Prepared & Analyzed: 02/11/2022			
Aroclor 1016	0.410	0.0222	mg/kg dry	0.444	ND	92.4	40-140		8.28	30	
Aroclor 1260	0.345	0.0222	"	0.444	ND	77.8	40-140		12.7	30	
Surrogate: Tetrachloro-m-xylene	*0.0701*		*"*	*0.0888*		*79.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0475*		*"*	*0.0888*		*53.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B1408 - BB21711											
Aroclor Reference (Y2B1408- Aroclor Reference										Prepared & Analyzed: 02/11/2022	
Surrogate: Tetrachloro-m-xylene	*0.197*		*ug/mL*	*0.200*		*98.5*					
Surrogate: Decachlorobiphenyl	*0.184*		*"*	*0.200*		*92.0*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21853 - EPA 3550C/8151A											
Blank (BB21853-BLK1) Blank									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.276*		*"*	*0.415*		*66.4*	*21-150*				
LCS (BB21853-BS1) LCS									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0905	0.0199	mg/kg wet	0.133		68.1	10-120				
2,4,5-TP (Silvex)	0.0930	0.0199	"	0.133		70.0	10-120				
2,4-D	0.0997	0.0199	"	0.133		75.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.329*		*"*	*0.415*		*79.2*	*21-150*				
Matrix Spike (BB21853-MS1) Matrix Spike *Source sample: 22B0534-02 (Matrix Spike)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0872	0.0209	mg/kg dry	0.139	ND	62.5	10-120				
2,4,5-TP (Silvex)	0.0907	0.0209	"	0.139	ND	65.0	10-120				
2,4-D	0.0959	0.0209	"	0.139	ND	68.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.338*		*"*	*0.436*		*77.6*	*21-150*				
Matrix Spike Dup (BB21853-M Matrix Spike Dup *Source sample: 22B0534-02 (Matrix Spike Dup)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0854	0.0209	mg/kg dry	0.139	ND	61.2	10-120		2.02	35	
2,4,5-TP (Silvex)	0.0872	0.0209	"	0.139	ND	62.5	10-120		3.92	35	
2,4-D	0.0941	0.0209	"	0.139	ND	67.5	10-118		1.83	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.350*		*"*	*0.436*		*80.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21836 - EPA 3050B											
Blank (BB21836-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	18.0	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	25.6	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21836-DUP1) Duplicate	*Source sample: 22B0525-01 (Duplicate)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	9050	5.54	mg/kg dry		9500				4.87	35	
Antimony	2.93	2.77	"		3.83				26.8	35	
Arsenic	2.80	1.66	"		3.16				12.3	35	
Barium	143	2.77	"		155				8.29	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	0.720	0.333	"		0.755				4.75	35	
Calcium	24100	5.54	"		19600				20.8	35	
Chromium	46.2	0.554	"		55.6				18.5	35	
Cobalt	9.02	0.443	"		10.7				17.2	35	
Copper	70.0	2.22	"		73.3				4.74	35	
Iron	22100	27.7	"		29100				27.2	35	
Lead	568	0.554	"		168				109	35	Non-dir.
Magnesium	7280	5.54	"		8260				12.6	35	
Manganese	322	0.554	"		342				6.03	35	
Nickel	12.7	1.11	"		16.0				22.8	35	
Potassium	1880	5.54	"		2270				18.8	35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.554	"		1.09					35	
Sodium	942	55.4	"		1040				10.1	35	
Thallium	ND	2.77	"		ND					35	
Vanadium	36.1	1.11	"		43.2				18.0	35	
Zinc	190	2.77	"		231				19.4	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21836 - EPA 3050B											
Matrix Spike (BB21836-MS1) Matrix Spike	*Source sample: 22B0525-01 (Matrix Spike)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	9910	5.54	mg/kg dry	222	9500	184	75-125	High Bias			
Antimony	14.5	2.77	"	27.7	3.83	38.6	75-125	Low Bias			
Arsenic	262	1.66	"	222	3.16	117	75-125				
Barium	397	2.77	"	222	155	109	75-125				
Beryllium	4.89	0.055	"	5.54	ND	88.3	75-125				
Cadmium	7.20	0.333	"	5.54	0.755	116	75-125				
Calcium	34100	5.54	"	111	19600	NR	75-125	High Bias			
Chromium	165	0.554	"	22.2	55.6	494	75-125	High Bias			
Cobalt	80.6	0.443	"	55.4	10.7	126	75-125	High Bias			
Copper	122	2.22	"	27.7	73.3	177	75-125	High Bias			
Iron	24200	27.7	"	111	29100	NR	75-125	Low Bias			
Lead	640	0.554	"	55.4	168	851	75-125	High Bias			
Magnesium	9500	5.54	"	111	8260	NR	75-125	High Bias			
Manganese	386	0.554	"	55.4	342	80.6	75-125				
Nickel	99.5	1.11	"	55.4	16.0	151	75-125	High Bias			
Potassium	2460	5.54	"	111	2270	165	75-125	High Bias			
Selenium	181	2.77	"	222	ND	81.7	75-125				
Silver	6.77	0.554	"	5.54	1.09	103	75-125				
Sodium	1180	55.4	"	111	1040	127	75-125	High Bias			
Thallium	234	2.77	"	222	ND	106	75-125				
Vanadium	107	1.11	"	55.4	43.2	115	75-125				
Zinc	343	2.77	"	55.4	231	200	75-125	High Bias			
Post Spike (BB21836-PS1) Post Spike	*Source sample: 22B0525-01 (Post Spike)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	87.2		ug/mL	2.00	85.7	76.0	75-125				
Antimony	0.399		"	0.250	0.035	146	75-125	High Bias			
Arsenic	2.53		"	2.00	0.029	125	75-125				
Barium	4.22		"	2.00	1.40	141	75-125	High Bias			
Beryllium	0.046		"	0.0500	-0.017	91.9	75-125				
Cadmium	0.074		"	0.0500	0.007	134	75-125	High Bias			
Calcium	179		"	1.00	177	182	75-125	High Bias			
Chromium	0.817		"	0.200	0.502	157	75-125	High Bias			
Cobalt	0.786		"	0.500	0.097	138	75-125	High Bias			
Copper	1.09		"	0.250	0.662	170	75-125	High Bias			
Iron	261		"	1.00	262	NR	75-125	Low Bias			
Lead	2.37		"	0.500	1.51	171	75-125	High Bias			
Magnesium	76.0		"	1.00	74.5	143	75-125	High Bias			
Manganese	4.06		"	0.500	3.08	196	75-125	High Bias			
Nickel	0.838		"	0.500	0.144	139	75-125	High Bias			
Potassium	21.6		"	1.00	20.5	105	75-125				
Selenium	1.69		"	2.00	-0.444	84.4	75-125				
Silver	0.047		"	0.0500	0.010	75.1	75-125				
Sodium	10.4		"	1.00	9.40	100	75-125				
Thallium	2.33		"	2.00	-0.062	116	75-125				
Vanadium	1.10		"	0.500	0.390	142	75-125	High Bias			
Zinc	2.96		"	0.500	2.09	175	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21836 - EPA 3050B											
Reference (BB21836-SRM1) Reference								Prepared: 02/11/2022 Analyzed: 02/14/2022			
Aluminum	9260	5.00	mg/kg wet	8130		114	49.9-150.1				
Antimony	88.6	2.50	"	134		66.1	19.3-250				
Arsenic	201	1.50	"	156		129	69.9-130.1				
Barium	322	2.50	"	239		135	74.9-124.7	High Bias			
Beryllium	223	0.050	"	169		132	75.1-125.4	High Bias			
Cadmium	170	0.300	"	137		124	75.2-124.8				
Calcium	5670	5.00	"	4760		119	72.7-127.5				
Chromium	199	0.500	"	154		129	70.1-129.9				
Cobalt	163	0.400	"	121		135	75-124.8	High Bias			
Copper	79.8	2.00	"	54.9		145	74.9-125	High Bias			
Iron	15400	25.0	"	14100		109	34.9-164.5				
Lead	169	0.500	"	130		130	71.8-128.5	High Bias			
Magnesium	2620	5.00	"	2320		113	62.1-137.9				
Manganese	434	0.500	"	269		161	74-126.4	High Bias			
Nickel	76.9	1.00	"	53.9		143	69.9-129.9	High Bias			
Potassium	2420	5.00	"	2020		120	58.9-141.1				
Selenium	148	2.50	"	167		88.5	67.7-132.3				
Silver	43.3	0.500	"	33.6		129	68.5-131.3				
Sodium	155	50.0	"	133		117	35-165.4				
Thallium	129	2.50	"	112		115	67.9-131.3				
Vanadium	77.0	1.00	"	62.6		123	59.1-141.1				
Zinc	191	2.50	"	158		121	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21845 - EPA 7473 soil											
Blank (BB21845-BLK1) Blank								Prepared & Analyzed: 02/11/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21845-DUP1) Duplicate	*Source sample: 22B0430-06 (Duplicate)							Prepared & Analyzed: 02/11/2022			
Mercury	0.143	0.0389	mg/kg dry		0.165				14.3	35	
Matrix Spike (BB21845-MS1) Matrix Spike	*Source sample: 22B0430-06 (Matrix Spike)							Prepared & Analyzed: 02/11/2022			
Mercury	0.545		mg/kg	0.500	0.127	83.5	75-125				
Reference (BB21845-SRM1) Reference								Prepared & Analyzed: 02/11/2022			
Mercury	17.642		mg/kg	27.2		64.9	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21796 - Analysis Preparation Soil												
Blank (BB21796-BLK1)	Blank								Prepared & Analyzed: 02/11/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21796-DUP1)	Duplicate	*Source sample: 22B0522-05 (DUP02_021022)							Prepared & Analyzed: 02/11/2022			
Cyanide, total		ND	0.571	mg/kg dry		ND					15	
Matrix Spike (BB21796-MS1)	Matrix Spike	*Source sample: 22B0522-05 (DUP02_021022)							Prepared & Analyzed: 02/11/2022			
Cyanide, total		9.76	0.571	mg/kg dry	11.4	ND	85.5	79.6-107				
Reference (BB21796-SRM1)	Reference								Prepared & Analyzed: 02/11/2022			
Cyanide, total		87.8		ug/mL	86.8		101	41.82-157.83				
Batch BB21799 - EPA SW846-3060												
Blank (BB21799-BLK1)	Blank								Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21799-DUP1)	Duplicate	*Source sample: 22B0461-01 (Duplicate)							Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent		ND	0.668	mg/kg dry		ND					35	
Matrix Spike (BB21799-MS1)	Matrix Spike	*Source sample: 22B0461-01 (Matrix Spike)							Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent		16.4	0.668	mg/kg dry	26.7	ND	61.4	75-125	Low Bias			
Reference (BB21799-SRM1)	Reference								Prepared & Analyzed: 02/11/2022			
Chromium, Hexavalent		69.0		mg/L	109		63.3	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21810 - % Solids Prep											
Duplicate (BB21810-DUP1) Duplicate	*Source sample: 22B0525-01 (Duplicate)							Prepared & Analyzed: 02/11/2022			
% Solids	91.6	0.100	%		90.2				1.53	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0522-01	EP20_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0522-02	EP30_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0522-03	EP31_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0522-04	EP32_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0522-05	DUP02_021022	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0522

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YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	X
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP20-7.5	S	2/10/22 1329	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides herbicides metals including cyanide & hex, trivalent, chromium, PFAS, 1,4-dioxane	
EP30-7.5		1220		
EP31-7.5		1230	* Run for all Sampling	
EP32-7.5		1240		
DUP02-021022		2/10/22 —		
FB01-PFAS-02102022	AQ	↓ 1400	PFAS	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	2/10/22 1535		2/10/22 15:35		2/10/22 1946 (KB) 15:35
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					2/10/22 1946 / 3.4 Degrees C

Technical Report

prepared for:

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

Report Date: 02/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0555

Report Date: 02/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0555

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 11, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0555-01	EP21_7.0	Soil	02/11/2022	02/11/2022
22B0555-02	EP22_7.5	Soil	02/11/2022	02/11/2022
22B0555-03	EP11_7.5	Soil	02/11/2022	02/11/2022
22B0555-04	EP12_7.5	Soil	02/11/2022	02/11/2022
22B0555-05	EP03_7.5	Soil	02/11/2022	02/11/2022
22B0555-06	FB01_PFAS_02112022	Water	02/11/2022	02/11/2022

General Notes for York Project (SDG) No.: 22B0555

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

Approved By **Date:** 02/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.017**	CCV-E	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.010**	J	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0506**	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.0989**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.818**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.847**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**3.98**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**4.92**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**3.96**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**2.84**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**3.69**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.0605**	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0552**	J	mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.384**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**4.00**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.605**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0959	0.192	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**8.91**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.226**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3.63**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.145**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.92**		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0959	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**6.68**		mg/kg dry	0.240	0.479	10	EPA 8270D	02/12/2022 07:10	02/15/2022 11:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*89.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*74.2 %*	*24-116*

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/15/2022 13:15	02/16/2022 13:37	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*70.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.829**		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 11:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.2 %*	*25-150*
Surrogate: M5PFHxA	*81.9 %*	*25-150*
Surrogate: M4PFHpA	*66.8 %*	*25-150*
Surrogate: M3PFHxS	*88.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.1 %*	*25-150*
Surrogate: M6PFDA	*78.6 %*	*25-150*
Surrogate: M7PFUdA	*68.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.8 %*	*25-150*
Surrogate: M2PFTeDA	*54.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*69.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*53.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*95.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*145 %*	*25-200*
Surrogate: M2-8:2 FTS	*157 %*	*25-200*
Surrogate: M9PFNA	*92.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:02	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:02	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:02	CM

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0384	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:02	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.2 %*	*30-150*

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:19	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.0 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*12.0 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8470**		mg/kg dry	5.84	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.92	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP21_7.0** **York Sample ID:** **22B0555-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.61**		mg/kg dry	1.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**220**		mg/kg dry	2.92	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**30700**	B	mg/kg dry	5.84	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**27.9**		mg/kg dry	0.584	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.8**		mg/kg dry	0.468	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**65.8**		mg/kg dry	2.34	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**23000**		mg/kg dry	29.2	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**322**		mg/kg dry	0.584	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**8730**		mg/kg dry	5.84	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**295**		mg/kg dry	0.584	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**101**		mg/kg dry	1.17	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1040**	B	mg/kg dry	5.84	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.869**		mg/kg dry	0.584	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**399**		mg/kg dry	58.4	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.92	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**33.5**		mg/kg dry	1.17	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**171**		mg/kg dry	2.92	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP21_7.0 **York Sample ID:** 22B0555-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:30 pm	02/11/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.314**		mg/kg dry	0.0351	1	EPA 7473	02/14/2022 11:31	02/14/2022 19:52	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.584	1	EPA 7196A	02/14/2022 09:02	02/14/2022 16:01	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**27.9**		mg/kg	0.500	1	Calculation	02/16/2022 12:03	02/16/2022 12:05	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.584	1	EPA 9014/9010C	02/14/2022 08:34	02/14/2022 13:31	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.6**		%	0.100	1	SM 2540G	02/14/2022 11:27	02/14/2022 15:14	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.014**	CCV-E	mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0062**	J	mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0899**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.196**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.994**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**2.62**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**9.98**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**10.6**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**8.47**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**5.60**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**8.05**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.538**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**9.18**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.40**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**21.9**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.424**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**6.67**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.261**		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**7.38**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**15.4**		mg/kg dry	0.441	0.879	20	EPA 8270D	02/12/2022 07:10	02/15/2022 11:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D	02/12/2022 07:10	02/14/2022 18:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*58.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*59.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*33.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.8 %*	*24-116*

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/15/2022 13:15	02/16/2022 13:54	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.255	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.7 %*	*25-150*
Surrogate: M5PFHxA	*76.2 %*	*25-150*
Surrogate: M4PFHpA	*79.0 %*	*25-150*
Surrogate: M3PFHxS	*90.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*100 %*	*25-150*
Surrogate: M6PFDA	*72.5 %*	*25-150*
Surrogate: M7PFUdA	*63.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*63.8 %*	*25-150*
Surrogate: M2PFTeDA	*56.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*70.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*82.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*84.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*81.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*95.1 %*	*25-200*
Surrogate: M9PFNA	*78.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:19	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:19	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:19	CM

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:19	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.4 %*	*30-150*

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:33	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0210	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:16	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:16	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:16	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*7.20 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/kg dry	5.36	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.68	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.61	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/kg dry	2.68	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.321	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	ND		mg/kg dry	5.36	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/kg dry	0.536	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/kg dry	0.429	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/kg dry	2.14	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/kg dry	26.8	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/kg dry	0.536	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/kg dry	5.36	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	ND		mg/kg dry	0.536	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/kg dry	1.07	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**10.4**	B	mg/kg dry	5.36	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.68	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	53.6	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.68	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/kg dry	1.07	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/kg dry	2.68	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP22_7.5 **York Sample ID:** 22B0555-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:40 pm	02/11/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.276**		mg/kg dry	0.0321	1	EPA 7473	02/14/2022 11:31	02/14/2022 20:01	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.536	1	EPA 7196A	02/14/2022 09:02	02/14/2022 16:01	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/kg	0.500	1	Calculation	02/16/2022 12:03	02/16/2022 12:05	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.536	1	EPA 9014/9010C	02/14/2022 08:34	02/14/2022 13:31	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.3**		%	0.100	1	SM 2540G	02/14/2022 11:27	02/14/2022 15:14	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.012**	CCV-E	mg/kg dry	0.0046	0.0092	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.021**		mg/kg dry	0.0046	0.0092	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	02/14/2022 06:39	02/14/2022 15:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.108**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.125**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**1.39**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**1.33**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**3.94**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**5.35**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**4.07**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**3.66**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**3.64**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.171**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.233**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**3.81**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.735**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0899	0.179	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**8.26**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.284**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3.80**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.222**		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.86**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0899	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**7.04**		mg/kg dry	0.225	0.449	10	EPA 8270D	02/12/2022 07:10	02/15/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*71.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*77.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*78.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*70.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*91.3 %*	*24-116*

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/15/2022 13:15	02/16/2022 14:10	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.275**		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.373**		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.7 %*	*25-150*
Surrogate: M5PFHxA	*69.3 %*	*25-150*
Surrogate: M4PFHpA	*67.6 %*	*25-150*
Surrogate: M3PFHxS	*78.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.7 %*	*25-150*
Surrogate: M6PFDA	*68.9 %*	*25-150*
Surrogate: M7PFUdA	*57.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*59.3 %*	*25-150*
Surrogate: M2PFTeDA	*52.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*64.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*70.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*52.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*68.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*72.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*120 %*	*25-200*
Surrogate: M9PFNA	*84.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:36	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:36	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:36	CM

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:36	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.9 %*	*30-150*

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A	02/12/2022 06:57	02/14/2022 16:47	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.5 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.0 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0218	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0218	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*6.60 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7250**		mg/kg dry	5.49	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.37**		mg/kg dry	1.65	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**83.6**		mg/kg dry	2.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**27800**	B	mg/kg dry	5.49	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**44.4**		mg/kg dry	0.549	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**16.8**		mg/kg dry	0.440	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**49.2**		mg/kg dry	2.20	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18000**		mg/kg dry	27.5	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**165**		mg/kg dry	0.549	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**19500**		mg/kg dry	5.49	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**348**		mg/kg dry	0.549	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**214**		mg/kg dry	1.10	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**914**	B	mg/kg dry	5.49	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**302**		mg/kg dry	54.9	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**33.0**		mg/kg dry	1.10	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**207**		mg/kg dry	2.75	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:18	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP11_7.5 **York Sample ID:** 22B0555-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 12:50 pm	02/11/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.324**		mg/kg dry	0.0330	1	EPA 7473	02/14/2022 11:31	02/14/2022 20:11	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.549	1	EPA 7196A	02/14/2022 09:02	02/14/2022 16:01	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**44.4**		mg/kg	0.500	1	Calculation	02/16/2022 12:03	02/16/2022 12:05	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.549	1	EPA 9014/9010C	02/14/2022 08:34	02/14/2022 13:31	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.0**		%	0.100	1	SM 2540G	02/14/2022 11:27	02/14/2022 15:14	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.021**	CCV-E	mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.021**		mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.112**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.132**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.847**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.191	0.381	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.901**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.381	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**2.54**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**3.82**		mg/kg dry	0.119	0.238	5	EPA 8270D	02/12/2022 07:10	02/15/2022 12:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.79**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.98**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.46**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.0882**	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0601**	J	mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.158**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2.46**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.462**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**5.85**		mg/kg dry	0.119	0.238	5	EPA 8270D	02/12/2022 07:10	02/15/2022 12:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.269**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.21**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.200**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.17**		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**5.09**		mg/kg dry	0.119	0.238	5	EPA 8270D	02/12/2022 07:10	02/15/2022 12:43	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.381	2	EPA 8270D	02/12/2022 07:10	02/14/2022 19:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*72.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*28.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.4 %*	*24-116*

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/15/2022 13:15	02/16/2022 14:28	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.399**		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.410**		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:35	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.3 %*	*25-150*
Surrogate: M5PFHxA	*84.1 %*	*25-150*
Surrogate: M4PFHpA	*80.2 %*	*25-150*
Surrogate: M3PFHxS	*88.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*91.6 %*	*25-150*
Surrogate: M6PFDA	*83.5 %*	*25-150*
Surrogate: M7PFUdA	*67.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.5 %*	*25-150*
Surrogate: M2PFTeDA	*63.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*76.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*77.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*89.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*103 %*	*25-150*
Surrogate: M2-6:2 FTS	*96.7 %*	*25-200*
Surrogate: M2-8:2 FTS	*137 %*	*25-200*
Surrogate: M9PFNA	*89.5 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:53	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:53	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 10:53	CM

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0380	5	EPA 8081B	02/12/2022 06:57	02/15/2022 10:53	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.2 %*	*30-150*

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:00	BJ
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.0 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*		*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:37	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:37	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0229	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:37	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*11.6 %*	S-04	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8390**		mg/kg dry	5.80	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP12_7.5** **York Sample ID:** **22B0555-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.65**		mg/kg dry	1.74	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**94.2**		mg/kg dry	2.90	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.386**		mg/kg dry	0.348	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**28100**	B	mg/kg dry	5.80	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.2**		mg/kg dry	0.580	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**16.0**		mg/kg dry	0.464	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**52.5**		mg/kg dry	2.32	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18900**		mg/kg dry	29.0	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**137**		mg/kg dry	0.580	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9820**		mg/kg dry	5.80	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**336**		mg/kg dry	0.580	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**144**		mg/kg dry	1.16	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1070**	B	mg/kg dry	5.80	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.745**		mg/kg dry	0.580	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**368**		mg/kg dry	58.0	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**37.7**		mg/kg dry	1.16	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**132**		mg/kg dry	2.90	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP12_7.5 **York Sample ID:** 22B0555-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:00 pm	02/11/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.305**		mg/kg dry	0.0348	1	EPA 7473	02/14/2022 11:31	02/14/2022 20:20	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.580	1	EPA 7196A	02/14/2022 09:02	02/14/2022 16:01	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.2**		mg/kg	0.500	1	Calculation	02/16/2022 12:03	02/16/2022 12:05	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.580	1	EPA 9014/9010C	02/14/2022 08:34	02/14/2022 13:31	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.2**		%	0.100	1	SM 2540G	02/14/2022 11:27	02/14/2022 15:14	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0071**	CCV-E, J	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.011**		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	02/14/2022 06:39	02/14/2022 16:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.576**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.213	0.426	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.323**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.213	0.426	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.839**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.67**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.10**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.13**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.922**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0536**	J	mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.914**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.256**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.106	0.213	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.05**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.08**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0825**	J	mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.308**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.16**		mg/kg dry	0.0534	0.106	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.213	0.426	2	EPA 8270D	02/12/2022 07:10	02/14/2022 20:42	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*82.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*82.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*83.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*77.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*75.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.4 %*	*24-116*

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/15/2022 13:15	02/16/2022 14:45	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.526**		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.760**		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	02/14/2022 12:06	02/16/2022 12:47	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.3 %*	*25-150*
Surrogate: M5PFHxA	*83.1 %*	*25-150*
Surrogate: M4PFHpA	*73.2 %*	*25-150*
Surrogate: M3PFHxS	*90.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*104 %*	*25-150*
Surrogate: M6PFDA	*83.5 %*	*25-150*
Surrogate: M7PFUdA	*66.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*58.7 %*	*25-150*
Surrogate: M2PFTeDA	*56.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*75.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*90.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*115 %*	*25-200*
Surrogate: M2-8:2 FTS	*160 %*	*25-200*
Surrogate: M9PFNA	*92.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 11:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 11:10	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00211	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/12/2022 06:57	02/15/2022 11:10	CM

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.211	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0423	5	EPA 8081B	02/12/2022 06:57	02/15/2022 11:10	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.7 %*	*30-150*

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0213	1	EPA 8082A	02/12/2022 06:57	02/14/2022 17:14	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0260	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:48	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0260	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:48	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0260	1	EPA 8151A	02/12/2022 07:06	02/14/2022 17:48	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*74.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7790**		mg/kg dry	6.51	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.25	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP03_7.5** **York Sample ID:** **22B0555-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.86**		mg/kg dry	1.95	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**298**		mg/kg dry	3.25	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.065	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.792**		mg/kg dry	0.391	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**21300**	B	mg/kg dry	6.51	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**37.9**		mg/kg dry	0.651	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**17.2**		mg/kg dry	0.521	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**95.5**		mg/kg dry	2.60	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**25700**		mg/kg dry	32.5	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2070**		mg/kg dry	0.651	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10900**		mg/kg dry	6.51	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**321**		mg/kg dry	0.651	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**200**		mg/kg dry	1.30	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1060**	B	mg/kg dry	6.51	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.25	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.787**		mg/kg dry	0.651	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**380**		mg/kg dry	65.1	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.25	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**109**		mg/kg dry	1.30	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**331**		mg/kg dry	3.25	1	EPA 6010D	02/11/2022 18:12	02/14/2022 17:23	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP03_7.5 **York Sample ID:** 22B0555-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Soil	February 11, 2022 1:10 pm	02/11/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.82**		mg/kg dry	0.0391	1	EPA 7473	02/14/2022 11:31	02/14/2022 20:30	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.651	1	EPA 7196A	02/14/2022 09:02	02/14/2022 16:01	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**37.9**		mg/kg	0.500	1	Calculation	02/16/2022 12:03	02/16/2022 12:05	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.651	1	EPA 9014/9010C	02/14/2022 08:34	02/14/2022 13:31	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.8**		%	0.100	1	SM 2540G	02/14/2022 11:27	02/14/2022 15:14	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **FB01_PFAS_02112022** **York Sample ID:** **22B0555-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Water	February 11, 2022 1:20 pm	02/11/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/14/2022 10:47	02/15/2022 12:08	WL

Sample Information

Client Sample ID: FB01_PFAS_02112022 **York Sample ID:** 22B0555-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0555	170610601	Water	February 11, 2022 1:20 pm	02/11/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m	02/14/2022 10:47	02/15/2022 12:08	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*98.6 %*	*25-150*
Surrogate: M5PFHxA	*106 %*	*25-150*
Surrogate: M4PFHpA	*104 %*	*25-150*
Surrogate: M3PFHxS	*109 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*115 %*	*25-150*
Surrogate: M6PFDA	*126 %*	*25-150*
Surrogate: M7PFUdA	*108 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*106 %*	*25-150*
Surrogate: M2PFTeDA	*86.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*95.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*107 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*87.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*122 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*121 %*	*25-150*
Surrogate: M2-6:2 FTS	*109 %*	*25-200*
Surrogate: M2-8:2 FTS	*171 %*	*25-200*
Surrogate: M9PFNA	*114 %*	*25-150*

Analytical Batch Summary

Batch ID: BB21846 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/11/22
22B0555-02	EP22_7.5	02/11/22
22B0555-03	EP11_7.5	02/11/22
22B0555-04	EP12_7.5	02/11/22
22B0555-05	EP03_7.5	02/11/22
BB21846-BLK1	Blank	02/11/22
BB21846-DUP1	Duplicate	02/11/22
BB21846-MS1	Matrix Spike	02/11/22
BB21846-PS1	Post Spike	02/11/22
BB21846-SRM1	Reference	02/11/22

Batch ID: BB21852 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/12/22
22B0555-01	EP21_7.0	02/12/22
22B0555-02	EP22_7.5	02/12/22
22B0555-02	EP22_7.5	02/12/22
22B0555-03	EP11_7.5	02/12/22
22B0555-03	EP11_7.5	02/12/22
22B0555-04	EP12_7.5	02/12/22
22B0555-04	EP12_7.5	02/12/22
22B0555-05	EP03_7.5	02/12/22
22B0555-05	EP03_7.5	02/12/22
BB21852-BLK1	Blank	02/12/22
BB21852-BLK2	Blank	02/12/22
BB21852-BS1	LCS	02/12/22
BB21852-BS2	LCS	02/12/22
BB21852-MS2	Matrix Spike	02/12/22
BB21852-MSD2	Matrix Spike Dup	02/12/22

Batch ID: BB21853 **Preparation Method:** EPA 3550C/8151A **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/12/22
22B0555-02	EP22_7.5	02/12/22
22B0555-03	EP11_7.5	02/12/22
22B0555-04	EP12_7.5	02/12/22
22B0555-05	EP03_7.5	02/12/22
BB21853-BLK1	Blank	02/12/22
BB21853-BS1	LCS	02/12/22
BB21853-MS1	Matrix Spike	02/12/22
BB21853-MSD1	Matrix Spike Dup	02/12/22

Batch ID: BB21854 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/12/22
22B0555-01RE1	EP21_7.0	02/12/22
22B0555-02	EP22_7.5	02/12/22
22B0555-02RE1	EP22_7.5	02/12/22
22B0555-03	EP11_7.5	02/12/22
22B0555-03RE1	EP11_7.5	02/12/22
22B0555-04	EP12_7.5	02/12/22
22B0555-04RE1	EP12_7.5	02/12/22
22B0555-05	EP03_7.5	02/12/22
BB21854-BLK1	Blank	02/12/22
BB21854-BS1	LCS	02/12/22
BB21854-MS1	Matrix Spike	02/12/22
BB21854-MSD1	Matrix Spike Dup	02/12/22

Batch ID: BB21862 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21862-BLK1	Blank	02/14/22
BB21862-DUP1	Duplicate	02/14/22
BB21862-MS1	Matrix Spike	02/14/22
BB21862-SRM1	Reference	02/14/22

Batch ID: BB21866 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21866-BLK1	Blank	02/14/22
BB21866-DUP1	Duplicate	02/14/22
BB21866-MS1	Matrix Spike	02/14/22
BB21866-SRM1	Reference	02/14/22

Batch ID: BB21878 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-06	FB01_PFAS_02112022	02/14/22
BB21878-BLK1	Blank	02/14/22
BB21878-BS1	LCS	02/14/22
BB21878-BSD1	LCS Dup	02/14/22

Batch ID: BB21880 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21880-DUP1	Duplicate	02/14/22

Batch ID: BB21882 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21882-BLK1	Blank	02/14/22
BB21882-DUP1	Duplicate	02/14/22
BB21882-MS1	Matrix Spike	02/14/22
BB21882-SRM1	Reference	02/14/22

Batch ID: BB21886 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21886-BLK1	Blank	02/14/22
BB21886-BS1	LCS	02/14/22
BB21886-MS1	Matrix Spike	02/14/22
BB21886-MSD1	Matrix Spike Dup	02/14/22

Batch ID: BB21896 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/14/22
22B0555-02	EP22_7.5	02/14/22
22B0555-03	EP11_7.5	02/14/22
22B0555-04	EP12_7.5	02/14/22
22B0555-05	EP03_7.5	02/14/22
BB21896-BLK1	Blank	02/14/22
BB21896-BLK2	Blank	02/14/22
BB21896-BLK3	Blank	02/14/22
BB21896-BLK4	Blank	02/14/22

BB21896-BS1	LCS	02/14/22
BB21896-BSD1	LCS Dup	02/14/22

Batch ID: BB21973 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/15/22
22B0555-02	EP22_7.5	02/15/22
22B0555-03	EP11_7.5	02/15/22
22B0555-04	EP12_7.5	02/15/22
22B0555-05	EP03_7.5	02/15/22
BB21973-BLK1	Blank	02/15/22
BB21973-BS1	LCS	02/15/22
BB21973-MS1	Matrix Spike	02/15/22
BB21973-MSD1	Matrix Spike Dup	02/15/22

Batch ID: BB22067 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0555-01	EP21_7.0	02/16/22
22B0555-02	EP22_7.5	02/16/22
22B0555-03	EP11_7.5	02/16/22
22B0555-04	EP12_7.5	02/16/22
22B0555-05	EP03_7.5	02/16/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21896-BLK2) MeOH Blank									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK2) MeOH Blank									Prepared & Analyzed: 02/14/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.1*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.9*		*"*	*50.0*		*106*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.8*		*"*	*50.0*		*110*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK3) HB-22B0522									Prepared & Analyzed: 02/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK3) HB-22B0522								Prepared & Analyzed: 02/14/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21896-BLK4) HB-22B0555								Prepared & Analyzed: 02/14/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
Blank (BB21896-BLK4) HB-22B0555									Prepared & Analyzed: 02/14/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS (BB21896-BS1) LCS							Prepared & Analyzed: 02/14/2022				
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.1	75-129				
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137				
1,1,2,2-Tetrachloroethane	44.8		"	50.0		89.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.7		"	50.0		99.4	58-146				
1,1,2-Trichloroethane	45.9		"	50.0		91.8	83-123				
1,1-Dichloroethane	48.5		"	50.0		97.0	75-130				
1,1-Dichloroethylene	53.9		"	50.0		108	64-137				
1,2,3-Trichlorobenzene	40.8		"	50.0		81.5	81-140				
1,2,3-Trichloropropane	43.5		"	50.0		87.0	81-126				
1,2,4-Trichlorobenzene	42.5		"	50.0		84.9	80-141				
1,2,4-Trimethylbenzene	45.0		"	50.0		89.9	84-125				
1,2-Dibromo-3-chloropropane	45.9		"	50.0		91.8	74-142				
1,2-Dibromoethane	45.7		"	50.0		91.5	86-123				
1,2-Dichlorobenzene	47.2		"	50.0		94.3	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	49.6		"	50.0		99.2	81-122				
1,3,5-Trimethylbenzene	46.6		"	50.0		93.1	82-126				
1,3-Dichlorobenzene	42.1		"	50.0		84.2	84-124				
1,4-Dichlorobenzene	43.5		"	50.0		87.1	84-124				
1,4-Dioxane	1080		"	1050		102	10-228				
2-Butanone	44.2		"	50.0		88.5	58-147				
2-Hexanone	49.0		"	50.0		97.9	70-139				
4-Methyl-2-pentanone	37.4		"	50.0		74.8	72-132				
Acetone	48.0		"	50.0		96.0	36-155				
Acrolein	30.3		"	50.0		60.5	10-238				
Acrylonitrile	49.4		"	50.0		98.8	66-141				
Benzene	48.2		"	50.0		96.5	77-127				
Bromochloromethane	53.9		"	50.0		108	74-129				
Bromodichloromethane	48.8		"	50.0		97.6	81-124				
Bromoform	47.8		"	50.0		95.7	80-136				
Bromomethane	98.2		"	50.0		196	32-177	High Bias			
Carbon disulfide	51.9		"	50.0		104	10-136				
Carbon tetrachloride	50.2		"	50.0		100	66-143				
Chlorobenzene	49.2		"	50.0		98.5	86-120				
Chloroethane	102		"	50.0		204	51-142	High Bias			
Chloroform	49.6		"	50.0		99.1	76-131				
Chloromethane	61.1		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	48.3		"	50.0		96.5	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.1	81-129				
Cyclohexane	46.7		"	50.0		93.5	70-130				
Dibromochloromethane	46.9		"	50.0		93.8	10-200				
Dibromomethane	47.9		"	50.0		95.8	83-124				
Dichlorodifluoromethane	52.6		"	50.0		105	28-158				
Ethyl Benzene	49.1		"	50.0		98.1	84-125				
Hexachlorobutadiene	42.6		"	50.0		85.2	83-133				
Isopropylbenzene	45.9		"	50.0		91.8	81-127				
Methyl acetate	44.4		"	50.0		88.8	41-143				
Methyl tert-butyl ether (MTBE)	47.2		"	50.0		94.3	74-131				
Methylcyclohexane	44.8		"	50.0		89.7	70-130				
Methylene chloride	53.4		"	50.0		107	57-141				
n-Butylbenzene	49.9		"	50.0		99.8	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS (BB21896-BS1) LCS								Prepared & Analyzed: 02/14/2022			
n-Propylbenzene	51.2		ug/L	50.0		102	74-136				
o-Xylene	50.8		"	50.0		102	83-123				
p- & m- Xylenes	104		"	100		104	82-128				
p-Isopropyltoluene	45.3		"	50.0		90.5	85-125				
sec-Butylbenzene	44.7		"	50.0		89.4	83-125				
Styrene	49.0		"	50.0		98.0	86-126				
tert-Butyl alcohol (TBA)	241		"	250		96.4	70-130				
tert-Butylbenzene	38.5		"	50.0		77.0	80-127	Low Bias			
Tetrachloroethylene	42.6		"	50.0		85.2	80-129				
Toluene	47.9		"	50.0		95.8	85-121				
trans-1,2-Dichloroethylene	50.6		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	47.5		"	50.0		95.1	78-132				
Trichloroethylene	47.5		"	50.0		95.1	84-123				
Trichlorofluoromethane	90.2		"	50.0		180	62-140	High Bias			
Vinyl Chloride	63.8		"	50.0		128	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*44.8*		*"*	*50.0*		*89.6*	*76-130*				
LCS Dup (BB21896-BSD1) LCS Dup								Prepared & Analyzed: 02/14/2022			
1,1,1,2-Tetrachloroethane	46.7		ug/L	50.0		93.4	75-129		0.257	30	
1,1,1-Trichloroethane	50.0		"	50.0		100	71-137		2.26	30	
1,1,2,2-Tetrachloroethane	41.8		"	50.0		83.6	79-129		6.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146		2.11	30	
1,1,2-Trichloroethane	45.5		"	50.0		91.0	83-123		0.853	30	
1,1-Dichloroethane	50.2		"	50.0		100	75-130		3.34	30	
1,1-Dichloroethylene	55.3		"	50.0		111	64-137		2.51	30	
1,2,3-Trichlorobenzene	42.0		"	50.0		84.0	81-140		3.07	30	
1,2,3-Trichloropropane	40.0		"	50.0		79.9	81-126	Low Bias	8.46	30	
1,2,4-Trichlorobenzene	43.6		"	50.0		87.3	80-141		2.74	30	
1,2,4-Trimethylbenzene	46.1		"	50.0		92.1	84-125		2.42	30	
1,2-Dibromo-3-chloropropane	44.7		"	50.0		89.3	74-142		2.69	30	
1,2-Dibromoethane	46.1		"	50.0		92.2	86-123		0.806	30	
1,2-Dichlorobenzene	48.4		"	50.0		96.7	85-122		2.55	30	
1,2-Dichloroethane	51.4		"	50.0		103	71-133		0.938	30	
1,2-Dichloropropane	50.7		"	50.0		101	81-122		2.23	30	
1,3,5-Trimethylbenzene	47.5		"	50.0		95.0	82-126		2.04	30	
1,3-Dichlorobenzene	43.8		"	50.0		87.5	84-124		3.84	30	
1,4-Dichlorobenzene	43.3		"	50.0		86.7	84-124		0.483	30	
1,4-Dioxane	1090		"	1050		104	10-228		1.19	30	
2-Butanone	43.5		"	50.0		87.0	58-147		1.71	30	
2-Hexanone	49.2		"	50.0		98.4	70-139		0.530	30	
4-Methyl-2-pentanone	37.6		"	50.0		75.3	72-132		0.586	30	
Acetone	47.4		"	50.0		94.8	36-155		1.22	30	
Acrolein	29.0		"	50.0		58.0	10-238		4.32	30	
Acrylonitrile	52.1		"	50.0		104	66-141		5.30	30	
Benzene	49.4		"	50.0		98.7	77-127		2.25	30	
Bromochloromethane	54.9		"	50.0		110	74-129		1.91	30	
Bromodichloromethane	50.0		"	50.0		100	81-124		2.39	30	
Bromoform	48.7		"	50.0		97.3	80-136		1.72	30	
Bromomethane	99.1		"	50.0		198	32-177	High Bias	0.882	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21896 - EPA 5035A											
LCS Dup (BB21896-BSD1) LCS Dup								Prepared & Analyzed: 02/14/2022			
Carbon disulfide	52.9		ug/L	50.0		106	10-136		1.96	30	
Carbon tetrachloride	51.3		"	50.0		103	66-143		2.05	30	
Chlorobenzene	50.5		"	50.0		101	86-120		2.53	30	
Chloroethane	104		"	50.0		208	51-142	High Bias	1.99	30	
Chloroform	50.8		"	50.0		102	76-131		2.43	30	
Chloromethane	61.4		"	50.0		123	49-132		0.441	30	
cis-1,2-Dichloroethylene	50.9		"	50.0		102	74-132		5.28	30	
cis-1,3-Dichloropropylene	49.4		"	50.0		98.9	81-129		1.82	30	
Cyclohexane	49.1		"	50.0		98.1	70-130		4.86	30	
Dibromochloromethane	47.8		"	50.0		95.6	10-200		1.82	30	
Dibromomethane	48.8		"	50.0		97.5	83-124		1.80	30	
Dichlorodifluoromethane	53.2		"	50.0		106	28-158		1.17	30	
Ethyl Benzene	50.2		"	50.0		100	84-125		2.20	30	
Hexachlorobutadiene	43.0		"	50.0		85.9	83-133		0.841	30	
Isopropylbenzene	46.7		"	50.0		93.3	81-127		1.64	30	
Methyl acetate	45.3		"	50.0		90.6	41-143		2.05	30	
Methyl tert-butyl ether (MTBE)	47.8		"	50.0		95.7	74-131		1.41	30	
Methylcyclohexane	46.3		"	50.0		92.6	70-130		3.23	30	
Methylene chloride	53.9		"	50.0		108	57-141		0.839	30	
n-Butylbenzene	50.8		"	50.0		102	80-130		1.75	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		1.82	30	
o-Xylene	52.1		"	50.0		104	83-123		2.51	30	
p- & m- Xylenes	105		"	100		105	82-128		0.858	30	
p-Isopropyltoluene	47.0		"	50.0		94.0	85-125		3.73	30	
sec-Butylbenzene	45.6		"	50.0		91.3	83-125		2.08	30	
Styrene	50.0		"	50.0		99.9	86-126		1.96	30	
tert-Butyl alcohol (TBA)	250		"	250		100	70-130		3.87	30	
tert-Butylbenzene	39.1		"	50.0		78.3	80-127	Low Bias	1.70	30	
Tetrachloroethylene	43.8		"	50.0		87.6	80-129		2.73	30	
Toluene	48.8		"	50.0		97.5	85-121		1.78	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	72-132		3.84	30	
trans-1,3-Dichloropropylene	48.9		"	50.0		97.8	78-132		2.86	30	
Trichloroethylene	48.4		"	50.0		96.8	84-123		1.75	30	
Trichlorofluoromethane	93.9		"	50.0		188	62-140	High Bias	3.98	30	
Vinyl Chloride	64.1		"	50.0		128	52-130		0.469	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.1*		*"*	*50.0*		*90.2*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB21854 - EPA 3546 SVOA

Blank (BB21854-BLK1) Blank — Prepared: 02/12/2022 Analyzed: 02/14/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
Blank (BB21854-BLK1) Blank									Prepared: 02/12/2022 Analyzed: 02/14/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.32*		"	*1.66*		*79.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		"	*1.66*		*72.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.724*		"	*0.831*		*87.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.611*		"	*0.831*		*73.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.66*		"	*1.66*		*99.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.721*		"	*0.831*		*86.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
LCS (BB21854-BS1) LCS								Prepared: 02/12/2022 Analyzed: 02/14/2022			
1,1-Biphenyl	0.483	0.0416	mg/kg wet	0.831		58.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.525	0.0830	"	1.66		31.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.466	0.0416	"	1.66		28.1	17-137				
2,3,4,6-Tetrachlorophenol	0.513	0.0830	"	1.66		30.9	30-130				
2,4,5-Trichlorophenol	0.520	0.0416	"	1.66		31.3	27-118				
2,4,6-Trichlorophenol	0.541	0.0416	"	1.66		32.5	31-120				
2,4-Dichlorophenol	0.515	0.0416	"	1.66		31.0	20-127				
2,4-Dimethylphenol	0.534	0.0416	"	1.66		32.2	14-132				
2,4-Dinitrophenol	0.489	0.0830	"	1.66		29.4	10-171				
2,4-Dinitrotoluene	0.645	0.0416	"	1.66		38.8	34-131				
2,6-Dinitrotoluene	0.638	0.0416	"	1.66		38.4	31-128				
2-Chloronaphthalene	0.474	0.0416	"	1.66		28.5	31-117	Low Bias			
2-Chlorophenol	0.456	0.0416	"	1.66		27.4	33-113	Low Bias			
2-Methylnaphthalene	0.473	0.0416	"	1.66		28.5	12-138				
2-Methylphenol	0.449	0.0416	"	1.66		27.0	10-136				
2-Nitroaniline	0.585	0.0830	"	1.66		35.2	27-132				
2-Nitrophenol	0.633	0.0416	"	1.66		38.1	17-129				
3- & 4-Methylphenols	0.390	0.0416	"	1.66		23.5	29-103	Low Bias			
3,3-Dichlorobenzidine	1.01	0.0416	"	1.66		60.6	22-149				
3-Nitroaniline	0.461	0.0830	"	1.66		27.8	20-133				
4,6-Dinitro-2-methylphenol	0.796	0.0830	"	1.66		47.9	10-143				
4-Bromophenyl phenyl ether	0.566	0.0416	"	1.66		34.1	29-120				
4-Chloro-3-methylphenol	0.484	0.0416	"	1.66		29.1	24-129				
4-Chloroaniline	0.343	0.0416	"	1.66		20.6	10-132				
4-Chlorophenyl phenyl ether	0.469	0.0416	"	1.66		28.2	27-124				
4-Nitroaniline	0.512	0.0830	"	1.66		30.8	16-128				
4-Nitrophenol	0.478	0.0830	"	1.66		28.8	10-141				
Acenaphthene	0.461	0.0416	"	1.66		27.8	30-121	Low Bias			
Acenaphthylene	0.450	0.0416	"	1.66		27.1	30-115	Low Bias			
Acetophenone	0.409	0.0416	"	0.831		49.3	20-112				
Aniline	0.493	0.166	"	1.66		29.7	10-119				
Anthracene	0.518	0.0416	"	1.66		31.2	34-118	Low Bias			
Atrazine	0.569	0.0416	"	0.831		68.5	26-112				
Benzaldehyde	0.415	0.0416	"	0.831		49.9	21-100				
Benzo(a)anthracene	0.515	0.0416	"	1.66		31.0	32-122	Low Bias			
Benzo(a)pyrene	0.528	0.0416	"	1.66		31.8	29-133				
Benzo(b)fluoranthene	0.547	0.0416	"	1.66		32.9	25-133				
Benzo(g,h,i)perylene	0.591	0.0416	"	1.66		35.6	10-143				
Benzo(k)fluoranthene	0.539	0.0416	"	1.66		32.4	25-128				
Benzoic acid	0.196	0.0416	"	0.831		23.6	10-140				
Benzyl alcohol	0.398	0.0416	"	1.66		23.9	30-115	Low Bias			
Benzyl butyl phthalate	0.517	0.0416	"	1.66		31.1	26-126				
Bis(2-chloroethoxy)methane	0.476	0.0416	"	1.66		28.7	19-132				
Bis(2-chloroethyl)ether	0.392	0.0416	"	1.66		23.6	19-125				
Bis(2-chloroisopropyl)ether	0.401	0.0416	"	1.66		24.1	20-135				
Bis(2-ethylhexyl)phthalate	0.556	0.0416	"	1.66		33.5	10-155				
Caprolactam	0.572	0.0830	"	0.831		68.9	10-127				
Carbazole	0.516	0.0416	"	1.66		31.1	35-123	Low Bias			
Chrysene	0.492	0.0416	"	1.66		29.6	32-123	Low Bias			
Dibenzo(a,h)anthracene	0.630	0.0416	"	1.66		37.9	10-136				
Dibenzofuran	0.468	0.0416	"	1.66		28.2	29-121	Low Bias			

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
LCS (BB21854-BS1) LCS								Prepared: 02/12/2022 Analyzed: 02/14/2022			
Diethyl phthalate	0.456	0.0416	mg/kg wet	1.66		27.5	34-116	Low Bias			
Dimethyl phthalate	0.465	0.0416	"	1.66		28.0	35-124	Low Bias			
Di-n-butyl phthalate	0.523	0.0416	"	1.66		31.5	31-116				
Di-n-octyl phthalate	0.531	0.0416	"	1.66		32.0	26-136				
Diphenylamine	0.617	0.0830	"	1.66		37.1	40-140	Low Bias			
Fluoranthene	0.509	0.0416	"	1.66		30.6	33-122	Low Bias			
Fluorene	0.468	0.0416	"	1.66		28.2	29-123	Low Bias			
Hexachlorobenzene	0.465	0.0416	"	1.66		28.0	21-124				
Hexachlorobutadiene	0.476	0.0416	"	1.66		28.7	10-149				
Hexachlorocyclopentadiene	0.451	0.0416	"	1.66		27.1	10-129				
Hexachloroethane	0.410	0.0416	"	1.66		24.7	28-108	Low Bias			
Indeno(1,2,3-cd)pyrene	0.707	0.0416	"	1.66		42.5	10-135				
Isophorone	0.455	0.0416	"	1.66		27.4	20-132				
Naphthalene	0.465	0.0416	"	1.66		28.0	23-124				
Nitrobenzene	0.503	0.0416	"	1.66		30.3	13-132				
N-Nitrosodimethylamine	0.406	0.0416	"	1.66		24.5	11-129				
N-nitroso-di-n-propylamine	0.386	0.0416	"	1.66		23.2	24-119	Low Bias			
N-Nitrosodiphenylamine	0.611	0.0416	"	1.66		36.8	22-152				
Pentachlorophenol	0.521	0.0416	"	1.66		31.4	10-139				
Phenanthrene	0.488	0.0416	"	1.66		29.4	33-123	Low Bias			
Phenol	0.482	0.0416	"	1.66		29.0	23-115				
Pyrene	0.490	0.0416	"	1.66		29.5	24-130				
Pyridine	0.372	0.166	"	1.66		22.4	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.983*		"	*1.66*		*59.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.913*		"	*1.66*		*55.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.569*		"	*0.831*		*68.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.483*		"	*0.831*		*58.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.31*		"	*1.66*		*78.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.553*		"	*0.831*		*66.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
Matrix Spike (BB21854-MS1) Matrix Spike	*Source sample: 22B0551-01 (Matrix Spike)							Prepared: 02/12/2022 Analyzed: 02/14/2022			
1,1-Biphenyl	0.662	0.0886	mg/kg dry	0.885	ND	74.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.625	0.177	"	1.77	ND	35.3	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.656	0.0886	"	1.77	ND	37.0	10-144				
2,3,4,6-Tetrachlorophenol	0.756	0.177	"	1.77	ND	42.7	30-130				
2,4,5-Trichlorophenol	0.680	0.0886	"	1.77	ND	38.4	10-127				
2,4,6-Trichlorophenol	0.668	0.0886	"	1.77	ND	37.8	10-132				
2,4-Dichlorophenol	0.646	0.0886	"	1.77	ND	36.5	10-128				
2,4-Dimethylphenol	0.681	0.0886	"	1.77	ND	38.5	10-137				
2,4-Dinitrophenol	0.118	0.177	"	1.77	ND	6.64	10-171	Low Bias			
2,4-Dinitrotoluene	0.751	0.0886	"	1.77	ND	42.4	16-135				
2,6-Dinitrotoluene	0.782	0.0886	"	1.77	ND	44.2	18-131				
2-Chloronaphthalene	0.624	0.0886	"	1.77	ND	35.2	10-129				
2-Chlorophenol	0.651	0.0886	"	1.77	ND	36.8	15-116				
2-Methylnaphthalene	0.634	0.0886	"	1.77	ND	35.8	10-147				
2-Methylphenol	0.683	0.0886	"	1.77	ND	38.6	10-136				
2-Nitroaniline	0.731	0.177	"	1.77	ND	41.3	10-137				
2-Nitrophenol	0.715	0.0886	"	1.77	ND	40.4	10-129				
3- & 4-Methylphenols	0.625	0.0886	"	1.77	ND	35.3	10-123				
3,3-Dichlorobenzidine	1.02	0.0886	"	1.77	ND	57.6	10-155				
3-Nitroaniline	0.651	0.177	"	1.77	ND	36.8	12-133				
4,6-Dinitro-2-methylphenol	0.283	0.177	"	1.77	ND	16.0	10-155				
4-Bromophenyl phenyl ether	0.578	0.0886	"	1.77	ND	32.7	14-128				
4-Chloro-3-methylphenol	0.698	0.0886	"	1.77	ND	39.4	10-134				
4-Chloroaniline	0.415	0.0886	"	1.77	ND	23.4	10-145				
4-Chlorophenyl phenyl ether	0.646	0.0886	"	1.77	ND	36.5	14-130				
4-Nitroaniline	0.708	0.177	"	1.77	ND	40.0	10-147				
4-Nitrophenol	0.804	0.177	"	1.77	ND	45.4	10-137				
Acenaphthene	0.659	0.0886	"	1.77	ND	37.2	10-146				
Acenaphthylene	0.639	0.0886	"	1.77	ND	36.1	10-134				
Acetophenone	0.668	0.0886	"	0.885	ND	75.5	10-116				
Aniline	0.690	0.355	"	1.77	ND	39.0	10-123				
Anthracene	0.748	0.0886	"	1.77	ND	42.3	10-142				
Atrazine	0.700	0.0886	"	0.885	ND	79.0	19-115				
Benzaldehyde	0.640	0.0886	"	0.885	ND	72.3	10-125				
Benzo(a)anthracene	0.803	0.0886	"	1.77	0.0745	41.2	10-158				
Benzo(a)pyrene	0.838	0.0886	"	1.77	0.0773	43.0	10-180				
Benzo(b)fluoranthene	0.860	0.0886	"	1.77	0.0648	44.9	10-200				
Benzo(g,h,i)perylene	0.840	0.0886	"	1.77	0.0635	43.9	10-138				
Benzo(k)fluoranthene	0.818	0.0886	"	1.77	0.0745	42.0	10-197				
Benzoic acid	ND	0.0886	"	0.885	ND		10-166	Low Bias			
Benzyl alcohol	0.676	0.0886	"	1.77	ND	38.2	12-124				
Benzyl butyl phthalate	0.793	0.0886	"	1.77	ND	44.8	10-154				
Bis(2-chloroethoxy)methane	0.634	0.0886	"	1.77	ND	35.8	10-132				
Bis(2-chloroethyl)ether	0.627	0.0886	"	1.77	ND	35.4	10-119				
Bis(2-chloroisopropyl)ether	0.700	0.0886	"	1.77	ND	39.6	10-139				
Bis(2-ethylhexyl)phthalate	0.838	0.0886	"	1.77	ND	47.3	10-167				
Caprolactam	0.814	0.177	"	0.885	ND	92.0	10-132				
Carbazole	0.746	0.0886	"	1.77	ND	42.1	10-167				
Chrysene	0.737	0.0886	"	1.77	0.0628	38.1	10-156				
Dibenzo(a,h)anthracene	0.841	0.0886	"	1.77	ND	47.5	10-137				
Dibenzofuran	0.654	0.0886	"	1.77	ND	37.0	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
Matrix Spike (BB21854-MS1) Matrix Spike	*Source sample: 22B0551-01 (Matrix Spike)								Prepared: 02/12/2022 Analyzed: 02/14/2022		
Diethyl phthalate	0.691	0.0886	mg/kg dry	1.77	ND	39.0	20-120				
Dimethyl phthalate	0.661	0.0886	"	1.77	ND	37.4	18-131				
Di-n-butyl phthalate	0.768	0.0886	"	1.77	ND	43.4	10-137				
Di-n-octyl phthalate	0.814	0.0886	"	1.77	ND	46.0	10-180				
Diphenylamine	0.731	0.177	"	1.77	ND	41.3	40-140				
Fluoranthene	0.806	0.0886	"	1.77	0.160	36.5	10-160				
Fluorene	0.683	0.0886	"	1.77	ND	38.6	10-157				
Hexachlorobenzene	0.594	0.0886	"	1.77	ND	33.6	10-137				
Hexachlorobutadiene	0.554	0.0886	"	1.77	ND	31.3	10-132				
Hexachlorocyclopentadiene	0.325	0.0886	"	1.77	ND	18.4	10-106				
Hexachloroethane	0.570	0.0886	"	1.77	ND	32.2	10-110				
Indeno(1,2,3-cd)pyrene	0.836	0.0886	"	1.77	0.0697	43.3	10-144				
Isophorone	0.672	0.0886	"	1.77	ND	38.0	10-132				
Naphthalene	0.627	0.0886	"	1.77	ND	35.4	10-141				
Nitrobenzene	0.647	0.0886	"	1.77	ND	36.6	10-131				
N-Nitrosodimethylamine	0.684	0.0886	"	1.77	ND	38.6	10-126				
N-nitroso-di-n-propylamine	0.692	0.0886	"	1.77	ND	39.1	10-125				
N-Nitrosodiphenylamine	0.712	0.0886	"	1.77	ND	40.2	10-177				
Pentachlorophenol	0.602	0.0886	"	1.77	ND	34.0	10-153				
Phenanthrene	0.692	0.0886	"	1.77	0.0897	34.0	10-148				
Phenol	0.677	0.0886	"	1.77	ND	38.2	10-126				
Pyrene	0.755	0.0886	"	1.77	0.114	36.2	10-165				
Pyridine	0.591	0.355	"	1.77	ND	33.4	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.33*		"	*1.77*		*74.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.35*		"	*1.77*		*76.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.683*		"	*0.885*		*77.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.620*		"	*0.885*		*70.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.33*		"	*1.77*		*75.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.714*		"	*0.885*		*80.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
Matrix Spike Dup (BB21854-M Matrix Spike Dup	*Source sample: 22B0551-01 (Matrix Spike Dup)								Prepared: 02/12/2022 Analyzed: 02/14/2022		
1,1-Biphenyl	0.620	0.0886	mg/kg dry	0.885	ND	70.0	10-130		6.63	30	
1,2,4,5-Tetrachlorobenzene	0.578	0.177	"	1.77	ND	32.6	10-133		7.77	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.588	0.0886	"	1.77	ND	33.2	10-144		10.8	30	
2,3,4,6-Tetrachlorophenol	0.643	0.177	"	1.77	ND	36.3	30-130		16.2	30	
2,4,5-Trichlorophenol	0.637	0.0886	"	1.77	ND	36.0	10-127		6.67	30	
2,4,6-Trichlorophenol	0.613	0.0886	"	1.77	ND	34.6	10-132		8.62	30	
2,4-Dichlorophenol	0.601	0.0886	"	1.77	ND	34.0	10-128		7.26	30	
2,4-Dimethylphenol	0.625	0.0886	"	1.77	ND	35.3	10-137		8.68	30	
2,4-Dinitrophenol	ND	0.177	"	1.77	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.673	0.0886	"	1.77	ND	38.0	16-135		10.9	30	
2,6-Dinitrotoluene	0.719	0.0886	"	1.77	ND	40.6	18-131		8.49	30	
2-Chloronaphthalene	0.581	0.0886	"	1.77	ND	32.8	10-129		7.17	30	
2-Chlorophenol	0.615	0.0886	"	1.77	ND	34.8	15-116		5.59	30	
2-Methylnaphthalene	0.588	0.0886	"	1.77	ND	33.2	10-147		7.54	30	
2-Methylphenol	0.656	0.0886	"	1.77	ND	37.0	10-136		4.12	30	
2-Nitroaniline	0.671	0.177	"	1.77	ND	37.9	10-137		8.58	30	
2-Nitrophenol	0.654	0.0886	"	1.77	ND	36.9	10-129		9.00	30	
3- & 4-Methylphenols	0.589	0.0886	"	1.77	ND	33.3	10-123		5.83	30	
3,3-Dichlorobenzidine	0.906	0.0886	"	1.77	ND	51.2	10-155		11.8	30	
3-Nitroaniline	0.571	0.177	"	1.77	ND	32.2	12-133		13.1	30	
4,6-Dinitro-2-methylphenol	0.212	0.177	"	1.77	ND	12.0	10-155		28.7	30	
4-Bromophenyl phenyl ether	0.530	0.0886	"	1.77	ND	30.0	14-128		8.68	30	
4-Chloro-3-methylphenol	0.641	0.0886	"	1.77	ND	36.2	10-134		8.57	30	
4-Chloroaniline	0.406	0.0886	"	1.77	ND	22.9	10-145		2.24	30	
4-Chlorophenyl phenyl ether	0.598	0.0886	"	1.77	ND	33.8	14-130		7.74	30	
4-Nitroaniline	0.633	0.177	"	1.77	ND	35.8	10-147		11.2	30	
4-Nitrophenol	0.721	0.177	"	1.77	ND	40.7	10-137		10.9	30	
Acenaphthene	0.618	0.0886	"	1.77	ND	34.9	10-146		6.32	30	
Acenaphthylene	0.598	0.0886	"	1.77	ND	33.8	10-134		6.53	30	
Acetophenone	0.641	0.0886	"	0.885	ND	72.4	10-116		4.22	30	
Aniline	0.616	0.355	"	1.77	ND	34.8	10-123		11.3	30	
Anthracene	0.673	0.0886	"	1.77	ND	38.0	10-142		10.6	30	
Atrazine	0.611	0.0886	"	0.885	ND	69.0	19-115		13.5	30	
Benzaldehyde	0.605	0.0886	"	0.885	ND	68.3	10-125		5.69	30	
Benzo(a)anthracene	0.723	0.0886	"	1.77	0.0745	36.6	10-158		10.5	30	
Benzo(a)pyrene	0.763	0.0886	"	1.77	0.0773	38.8	10-180		9.29	30	
Benzo(b)fluoranthene	0.765	0.0886	"	1.77	0.0648	39.5	10-200		11.8	30	
Benzo(g,h,i)perylene	0.753	0.0886	"	1.77	0.0635	38.9	10-138		11.0	30	
Benzo(k)fluoranthene	0.748	0.0886	"	1.77	0.0745	38.0	10-197		8.96	30	
Benzoic acid	ND	0.0886	"	0.885	ND		10-166	Low Bias		30	
Benzyl alcohol	0.639	0.0886	"	1.77	ND	36.1	12-124		5.60	30	
Benzyl butyl phthalate	0.705	0.0886	"	1.77	ND	39.8	10-154		11.8	30	
Bis(2-chloroethoxy)methane	0.585	0.0886	"	1.77	ND	33.0	10-132		8.02	30	
Bis(2-chloroethyl)ether	0.592	0.0886	"	1.77	ND	33.4	10-119		5.81	30	
Bis(2-chloroisopropyl)ether	0.665	0.0886	"	1.77	ND	37.6	10-139		5.19	30	
Bis(2-ethylhexyl)phthalate	0.737	0.0886	"	1.77	ND	41.6	10-167		12.8	30	
Caprolactam	0.736	0.177	"	0.885	ND	83.2	10-132		10.0	30	
Carbazole	0.676	0.0886	"	1.77	ND	38.2	10-167		9.87	30	
Chrysene	0.668	0.0886	"	1.77	0.0628	34.2	10-156		9.88	30	
Dibenzo(a,h)anthracene	0.763	0.0886	"	1.77	ND	43.1	10-137		9.80	30	
Dibenzofuran	0.605	0.0886	"	1.77	ND	34.2	10-147		7.87	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21854 - EPA 3546 SVOA											
Matrix Spike Dup (BB21854-M Matrix Spike Dup	*Source sample: 22B0551-01 (Matrix Spike Dup)								Prepared: 02/12/2022 Analyzed: 02/14/2022		
Diethyl phthalate	0.627	0.0886	mg/kg dry	1.77	ND	35.4	20-120		9.78	30	
Dimethyl phthalate	0.615	0.0886	"	1.77	ND	34.8	18-131		7.21	30	
Di-n-butyl phthalate	0.680	0.0886	"	1.77	ND	38.4	10-137		12.2	30	
Di-n-octyl phthalate	0.727	0.0886	"	1.77	ND	41.1	10-180		11.2	30	
Diphenylamine	0.661	0.177	"	1.77	ND	37.4	40-140	Low Bias	9.97	30	
Fluoranthene	0.731	0.0886	"	1.77	0.160	32.3	10-160		9.76	30	
Fluorene	0.633	0.0886	"	1.77	ND	35.8	10-157		7.64	30	
Hexachlorobenzene	0.525	0.0886	"	1.77	ND	29.7	10-137		12.3	30	
Hexachlorobutadiene	0.517	0.0886	"	1.77	ND	29.2	10-132		6.88	30	
Hexachlorocyclopentadiene	0.285	0.0886	"	1.77	ND	16.1	10-106		13.2	30	
Hexachloroethane	0.520	0.0886	"	1.77	ND	29.4	10-110		9.09	30	
Indeno(1,2,3-cd)pyrene	0.757	0.0886	"	1.77	0.0697	38.8	10-144		9.87	30	
Isophorone	0.620	0.0886	"	1.77	ND	35.0	10-132		8.00	30	
Naphthalene	0.587	0.0886	"	1.77	ND	33.2	10-141		6.65	30	
Nitrobenzene	0.595	0.0886	"	1.77	ND	33.6	10-131		8.32	30	
N-Nitrosodimethylamine	0.654	0.0886	"	1.77	ND	37.0	10-126		4.44	30	
N-nitroso-di-n-propylamine	0.655	0.0886	"	1.77	ND	37.0	10-125		5.57	30	
N-Nitrosodiphenylamine	0.654	0.0886	"	1.77	ND	37.0	10-177		8.50	30	
Pentachlorophenol	0.477	0.0886	"	1.77	ND	26.9	10-153		23.2	30	
Phenanthrene	0.633	0.0886	"	1.77	0.0897	30.7	10-148		8.87	30	
Phenol	0.646	0.0886	"	1.77	ND	36.5	10-126		4.71	30	
Pyrene	0.676	0.0886	"	1.77	0.114	31.7	10-165		11.0	30	
Pyridine	0.513	0.355	"	1.77	ND	29.0	10-83		14.2	30	
Surrogate: SURR: 2-Fluorophenol	*1.24*		"	*1.77*		*69.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.28*		"	*1.77*		*72.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.632*		"	*0.885*		*71.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.575*		"	*0.885*		*65.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.18*		"	*1.77*		*66.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.631*		"	*0.885*		*71.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21973 - EPA 3550C											
Blank (BB21973-BLK1) Blank									Prepared: 02/15/2022 Analyzed: 02/16/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*39-127.5*				
LCS (BB21973-BS1) LCS									Prepared: 02/15/2022 Analyzed: 02/16/2022		
1,4-Dioxane	545	19.8	ug/kg	495		110	40-130				
Surrogate: 1,4-Dioxane-d8	*396*		*"*	*495*		*80.0*	*39-127.5*				
Matrix Spike (BB21973-MS1) Matrix Spike *Source sample: 22B0506-02 (Matrix Spike)									Prepared: 02/15/2022 Analyzed: 02/16/2022		
1,4-Dioxane	555	19.8	ug/kg	495		112	40-130				
Surrogate: 1,4-Dioxane-d8	*406*		*"*	*495*		*82.0*	*40-130*				
Matrix Spike Dup (BB21973-M Matrix Spike Dup *Source sample: 22B0506-02 (Matrix Spike Dup)									Prepared: 02/15/2022 Analyzed: 02/16/2022		
1,4-Dioxane	555	19.8	ug/kg	495		112	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*396*		*"*	*495*		*80.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB21878-BLK1) Blank									Prepared & Analyzed: 02/14/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*81.6*		"	*74.3*		*110*	*25-150*				
Surrogate: M5PFHxA	*89.1*		"	*80.0*		*111*	*25-150*				
Surrogate: M4PFHpA	*86.3*		"	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*80.3*		"	*75.7*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*97.8*		"	*80.0*		*122*	*25-150*				
Surrogate: M6PFDA	*97.8*		"	*80.0*		*122*	*25-150*				
Surrogate: M7PFUdA	*92.6*		"	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*94.1*		"	*80.0*		*118*	*25-150*				
Surrogate: M2PFTeDA	*73.2*		"	*80.0*		*91.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*84.1*		"	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.3*		"	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.1*		"	*80.0*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.0*		"	*80.0*		*30.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.9*		"	*80.0*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*90.5*		"	*80.0*		*113*	*25-150*				
Surrogate: M2-6:2 FTS	*79.3*		"	*75.9*		*104*	*25-200*				
Surrogate: M2-8:2 FTS	*127*		"	*76.6*		*165*	*25-200*				
Surrogate: M9PFNA	*96.9*		"	*80.0*		*121*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB21878-BS1) LCS							Prepared & Analyzed: 02/14/2022				
Perfluorobutanesulfonic acid (PFBS)	81.2	2.00	ng/L	70.8		115	50-130				
Perfluorohexanoic acid (PFHxA)	92.2	2.00	"	80.0		115	50-130				
Perfluoroheptanoic acid (PFHpA)	90.5	2.00	"	80.0		113	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.8	2.00	"	72.8		114	50-130				
Perfluorooctanoic acid (PFOA)	84.0	2.00	"	80.0		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	84.3	2.00	"	74.0		114	50-130				
Perfluorononanoic acid (PFNA)	86.8	2.00	"	80.0		108	50-130				
Perfluorodecanoic acid (PFDA)	89.6	2.00	"	80.0		112	50-130				
Perfluoroundecanoic acid (PFUnA)	98.2	2.00	"	80.0		123	50-130				
Perfluorododecanoic acid (PFDoA)	82.3	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	79.1	2.00	"	80.0		98.9	50-130				
Perfluorotetradecanoic acid (PFTA)	90.9	2.00	"	80.0		114	50-130				
N-MeFOSAA	95.1	2.00	"	80.0		119	50-130				
N-EtFOSAA	84.0	2.00	"	80.0		105	50-130				
Perfluoropentanoic acid (PFPeA)	91.0	2.00	"	80.0		114	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	68.2	2.00	"	80.0		85.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	95.8	2.00	"	76.4		125	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	77.7	2.00	"	77.2		101	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	83.1	5.00	"	76.0		109	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	76.9	2.00	"	76.8		100	50-175				
Perfluoro-n-butanoic acid (PFBA)	91.9	2.00	"	80.0		115	50-130				
Surrogate: M3PFBS	*72.5*		*"*	*74.3*		*97.5*	*25-150*				
Surrogate: M5PFHxA	*78.5*		*"*	*80.0*		*98.2*	*25-150*				
Surrogate: M4PFHpA	*76.7*		*"*	*80.0*		*95.8*	*25-150*				
Surrogate: M3PFHxS	*72.8*		*"*	*75.7*		*96.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.4*		*"*	*80.0*		*113*	*25-150*				
Surrogate: M6PFDA	*88.3*		*"*	*80.0*		*110*	*25-150*				
Surrogate: M7PFUdA	*80.9*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.0*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*63.2*		*"*	*80.0*		*79.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8*		*"*	*80.0*		*93.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.1*		*"*	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.9*		*"*	*80.0*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*9.17*		*"*	*80.0*		*11.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*80.7*		*"*	*80.0*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*84.2*		*"*	*80.0*		*105*	*25-150*				
Surrogate: M2-6:2 FTS	*77.7*		*"*	*75.9*		*102*	*25-200*				
Surrogate: M2-8:2 FTS	*111*		*"*	*76.6*		*145*	*25-200*				
Surrogate: M9PFNA	*91.7*		*"*	*80.0*		*115*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21878 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB21878-BSD1) LCS Dup							Prepared & Analyzed: 02/14/2022				
Perfluorobutanesulfonic acid (PFBS)	65.5	2.00	ng/L	70.8		92.5	50-130		21.5	30	
Perfluorohexanoic acid (PFHxA)	70.9	2.00	"	80.0		88.6	50-130		26.1	30	
Perfluoroheptanoic acid (PFHpA)	69.0	2.00	"	80.0		86.3	50-130		27.0	30	
Perfluorohexanesulfonic acid (PFHxS)	60.8	2.00	"	72.8		83.5	50-130		30.7	30	Non-dir.
Perfluorooctanoic acid (PFOA)	70.9	2.00	"	80.0		88.7	50-130		16.9	30	
Perfluorooctanesulfonic acid (PFOS)	77.0	2.00	"	74.0		104	50-130		9.09	30	
Perfluorononanoic acid (PFNA)	64.8	2.00	"	80.0		81.0	50-130		28.9	30	
Perfluorodecanoic acid (PFDA)	72.4	2.00	"	80.0		90.5	50-130		21.2	30	
Perfluoroundecanoic acid (PFUnA)	76.6	2.00	"	80.0		95.8	50-130		24.8	30	
Perfluorododecanoic acid (PFDoA)	65.5	2.00	"	80.0		81.9	50-130		22.7	30	
Perfluorotridecanoic acid (PFTrDA)	61.7	2.00	"	80.0		77.1	50-130		24.8	30	
Perfluorotetradecanoic acid (PFTA)	73.3	2.00	"	80.0		91.6	50-130		21.5	30	
N-MeFOSAA	80.0	2.00	"	80.0		100	50-130		17.2	30	
N-EtFOSAA	67.4	2.00	"	80.0		84.3	50-130		21.9	30	
Perfluoropentanoic acid (PFPeA)	72.1	2.00	"	80.0		90.1	50-130		23.2	30	
Perfluoro-1-octanesulfonamide (FOSA)	59.6	2.00	"	80.0		74.5	50-130		13.4	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	86.4	2.00	"	76.4		113	50-130		10.4	30	
Perfluoro-1-decanesulfonic acid (PFDS)	69.8	2.00	"	77.2		90.4	50-130		10.8	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	69.3	5.00	"	76.0		91.2	50-175		18.1	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	66.1	2.00	"	76.8		86.0	50-175		15.1	30	
Perfluoro-n-butanoic acid (PFBA)	74.4	2.00	"	80.0		93.0	50-130		21.1	30	
Surrogate: M3PFBS	*73.1*		"	*74.3*		*98.3*	*25-150*				
Surrogate: M5PFHxA	*83.7*		"	*80.0*		*105*	*25-150*				
Surrogate: M4PFHpA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M3PFHxS	*78.2*		"	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.6*		"	*80.0*		*114*	*25-150*				
Surrogate: M6PFDA	*91.4*		"	*80.0*		*114*	*25-150*				
Surrogate: M7PFUdA	*79.0*		"	*80.0*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*88.8*		"	*80.0*		*111*	*25-150*				
Surrogate: M2PFTeDA	*68.9*		"	*80.0*		*86.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.2*		"	*80.0*		*94.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.3*		"	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.3*		"	*80.0*		*95.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.4*		"	*80.0*		*19.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*82.7*		"	*80.0*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*93.7*		"	*80.0*		*117*	*25-150*				
Surrogate: M2-6:2 FTS	*87.1*		"	*75.9*		*115*	*25-200*				
Surrogate: M2-8:2 FTS	*138*		"	*76.6*		*180*	*25-200*				
Surrogate: M9PFNA	*95.9*		"	*80.0*		*120*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21886 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB21886-BLK1) Blank									Prepared: 02/14/2022 Analyzed: 02/16/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.250	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.250	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.250	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.250	"								
Perfluorooctanoic acid (PFOA)	ND	0.250	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.250	"								
Perfluorononanoic acid (PFNA)	ND	0.250	"								
Perfluorodecanoic acid (PFDA)	ND	0.250	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.250	"								
Perfluorododecanoic acid (PFDoA)	ND	0.250	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.250	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.250	"								
N-MeFOSAA	ND	0.250	"								
N-EtFOSAA	ND	0.250	"								
Perfluoropentanoic acid (PFPeA)	ND	0.250	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.250	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.250	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.250	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.250	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.250	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.250	"								
Surrogate: M3PFBS	*4.40*		"	*4.64*		*94.7*	*25-150*				
Surrogate: M5PFHxA	*4.71*		"	*5.00*		*94.3*	*25-150*				
Surrogate: M4PFHpA	*4.64*		"	*5.00*		*92.9*	*25-150*				
Surrogate: M3PFHxS	*4.38*		"	*4.73*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.51*		"	*5.00*		*90.2*	*25-150*				
Surrogate: M6PFDA	*3.97*		"	*5.00*		*79.4*	*25-150*				
Surrogate: M7PFUdA	*3.76*		"	*5.00*		*75.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.35*		"	*5.00*		*87.0*	*25-150*				
Surrogate: M2PFTeDA	*3.03*		"	*5.00*		*60.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.43*		"	*5.00*		*88.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.32*		"	*4.78*		*90.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.70*		"	*5.00*		*94.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.06*		"	*5.00*		*81.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.80*		"	*5.00*		*76.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.16*		"	*5.00*		*83.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.73*		"	*4.74*		*78.6*	*25-200*				
Surrogate: M2-8:2 FTS	*4.06*		"	*4.79*		*84.7*	*25-200*				
Surrogate: M9PFNA	*5.02*		"	*5.00*		*100*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21886 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB21886-BS1) LCS								Prepared: 02/14/2022 Analyzed: 02/16/2022			
Perfluorobutanesulfonic acid (PFBS)	4.84	0.250	ug/kg wet	4.42		109	50-130				
Perfluorohexanoic acid (PFHxA)	5.85	0.250	"	5.00		117	50-130				
Perfluoroheptanoic acid (PFHpA)	5.11	0.250	"	5.00		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.28	0.250	"	4.55		116	50-130				
Perfluorooctanoic acid (PFOA)	5.58	0.250	"	5.00		112	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.89	0.250	"	4.62		106	50-130				
Perfluorononanoic acid (PFNA)	4.38	0.250	"	5.00		87.6	50-130				
Perfluorodecanoic acid (PFDA)	5.00	0.250	"	5.00		100	50-130				
Perfluoroundecanoic acid (PFUnA)	5.00	0.250	"	5.00		100	50-130				
Perfluorododecanoic acid (PFDoA)	4.77	0.250	"	5.00		95.3	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.70	0.250	"	5.00		94.1	50-130				
Perfluorotetradecanoic acid (PFTA)	5.69	0.250	"	5.00		114	50-130				
N-MeFOSAA	4.94	0.250	"	5.00		98.8	50-130				
N-EtFOSAA	5.32	0.250	"	5.00		106	50-130				
Perfluoropentanoic acid (PFPeA)	5.34	0.250	"	5.00		107	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.14	0.250	"	5.00		103	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.02	0.250	"	4.78		105	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.53	0.250	"	4.82		94.0	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.98	0.250	"	4.75		105	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.86	0.250	"	4.80		122	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.63	0.250	"	5.00		113	50-130				
Surrogate: M3PFBS	*4.42*		*"*	*4.64*		*95.1*	*25-150*				
Surrogate: M5PFHxA	*4.62*		*"*	*5.00*		*92.4*	*25-150*				
Surrogate: M4PFHpA	*4.84*		*"*	*5.00*		*96.9*	*25-150*				
Surrogate: M3PFHxS	*3.79*		*"*	*4.73*		*80.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.77*		*"*	*5.00*		*95.4*	*25-150*				
Surrogate: M6PFDA	*4.57*		*"*	*5.00*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*4.38*		*"*	*5.00*		*87.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.46*		*"*	*5.00*		*89.2*	*25-150*				
Surrogate: M2PFTeDA	*3.17*		*"*	*5.00*		*63.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.28*		*"*	*5.00*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.51*		*"*	*4.78*		*94.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.45*		*"*	*5.00*		*89.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.88*		*"*	*5.00*		*77.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.83*		*"*	*5.00*		*96.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.37*		*"*	*5.00*		*87.5*	*25-150*				
Surrogate: M2-6:2 FTS	*3.83*		*"*	*4.74*		*80.7*	*25-200*				
Surrogate: M2-8:2 FTS	*4.63*		*"*	*4.79*		*96.6*	*25-200*				
Surrogate: M9PFNA	*5.54*		*"*	*5.00*		*111*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21886 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB21886-MS1) Matrix Spike *Source sample: 22B0549-01 (Matrix Spike) Prepared: 02/14/2022 Analyzed: 02/16/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.08	0.250	ug/kg wet	4.42	ND	92.2	25-150				
Perfluorohexanoic acid (PFHxA)	4.81	0.250	"	5.00	ND	96.1	25-150				
Perfluoroheptanoic acid (PFHpA)	4.54	0.250	"	5.00	ND	90.7	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.04	0.250	"	4.55	ND	88.7	25-150				
Perfluorooctanoic acid (PFOA)	4.44	0.250	"	5.00	ND	88.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.62	0.250	"	4.62	ND	100	25-150				
Perfluorononanoic acid (PFNA)	3.73	0.250	"	5.00	ND	74.6	25-150				
Perfluorodecanoic acid (PFDA)	5.09	0.250	"	5.00	ND	102	25-150				
Perfluoroundecanoic acid (PFUnA)	4.44	0.250	"	5.00	ND	88.8	25-150				
Perfluorododecanoic acid (PFDoA)	4.19	0.250	"	5.00	ND	83.8	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.28	0.250	"	5.00	ND	85.6	25-150				
Perfluorotetradecanoic acid (PFTA)	5.11	0.250	"	5.00	ND	102	25-150				
N-MeFOSAA	5.12	0.250	"	5.00	ND	102	25-150				
N-EtFOSAA	5.69	0.250	"	5.00	ND	114	25-150				
Perfluoropentanoic acid (PFPeA)	5.05	0.250	"	5.00	ND	101	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.82	0.250	"	5.00	ND	76.3	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.66	0.250	"	4.78	ND	97.7	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.05	0.250	"	4.82	ND	83.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.47	0.250	"	4.75	ND	94.0	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.11	0.250	"	4.80	ND	85.6	25-200				
Perfluoro-n-butanoic acid (PFBA)	4.80	0.250	"	5.00	ND	96.1	25-150				
Surrogate: M3PFBS	*4.56*		"	*4.64*		*98.2*	*25-150*				
Surrogate: M5PFHxA	*4.98*		"	*5.00*		*99.6*	*25-150*				
Surrogate: M4PFHpA	*4.74*		"	*5.00*		*94.8*	*25-150*				
Surrogate: M3PFHxS	*4.57*		"	*4.73*		*96.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.77*		"	*5.00*		*95.3*	*25-150*				
Surrogate: M6PFDA	*3.56*		"	*5.00*		*71.3*	*25-150*				
Surrogate: M7PFUdA	*3.41*		"	*5.00*		*68.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.83*		"	*5.00*		*76.6*	*25-150*				
Surrogate: M2PFTeDA	*2.88*		"	*5.00*		*57.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.48*		"	*5.00*		*89.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.68*		"	*4.78*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.39*		"	*5.00*		*87.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.92*		"	*5.00*		*58.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.42*		"	*5.00*		*68.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.21*		"	*5.00*		*64.1*	*25-150*				
Surrogate: M2-6:2 FTS	*3.69*		"	*4.74*		*77.7*	*25-200*				
Surrogate: M2-8:2 FTS	*4.18*		"	*4.79*		*87.2*	*25-200*				
Surrogate: M9PFNA	*4.74*		"	*5.00*		*94.7*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB21886 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB21886-M Matrix Spike Dup *Source sample: 22B0549-01 (Matrix Spike Dup) Prepared: 02/14/2022 Analyzed: 02/16/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.28	0.250	ug/kg wet	4.42	ND	96.6	25-150		4.71	35	
Perfluorohexanoic acid (PFHxA)	4.63	0.250	"	5.00	ND	92.6	25-150		3.70	35	
Perfluoroheptanoic acid (PFHpA)	4.23	0.250	"	5.00	ND	84.6	25-150		7.01	35	
Perfluorohexanesulfonic acid (PFHxS)	4.32	0.250	"	4.55	ND	94.9	25-150		6.74	35	
Perfluorooctanoic acid (PFOA)	4.74	0.250	"	5.00	ND	94.9	25-150		6.67	35	
Perfluorooctanesulfonic acid (PFOS)	4.30	0.250	"	4.62	ND	93.1	25-150		7.14	35	
Perfluorononanoic acid (PFNA)	4.51	0.250	"	5.00	ND	90.2	25-150		18.9	35	
Perfluorodecanoic acid (PFDA)	4.66	0.250	"	5.00	ND	93.3	25-150		8.64	35	
Perfluoroundecanoic acid (PFUnA)	4.84	0.250	"	5.00	ND	96.8	25-150		8.56	35	
Perfluorododecanoic acid (PFDoA)	4.47	0.250	"	5.00	ND	89.4	25-150		6.44	35	
Perfluorotridecanoic acid (PFTrDA)	4.45	0.250	"	5.00	ND	89.0	25-150		3.87	35	
Perfluorotetradecanoic acid (PFTA)	4.94	0.250	"	5.00	ND	98.8	25-150		3.45	35	
N-MeFOSAA	5.91	0.250	"	5.00	ND	118	25-150		14.4	35	
N-EtFOSAA	4.23	0.250	"	5.00	ND	84.6	25-150		29.5	35	
Perfluoropentanoic acid (PFPeA)	4.88	0.250	"	5.00	ND	97.5	25-150		3.55	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.31	0.250	"	5.00	ND	86.2	25-150		12.1	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.88	0.250	"	4.78	ND	102	25-150		4.46	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.08	0.250	"	4.82	ND	84.6	25-150		0.867	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.51	0.250	"	4.75	ND	73.9	25-200		24.0	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.94	0.250	"	4.80	ND	82.1	25-200		4.18	35	
Perfluoro-n-butanoic acid (PFBA)	4.72	0.250	"	5.00	ND	94.4	25-150		1.77	35	
Surrogate: M3PFBS	*4.15*		"	*4.64*		*89.4*	*25-150*				
Surrogate: M5PFHxA	*4.85*		"	*5.00*		*97.1*	*25-150*				
Surrogate: M4PFHpA	*4.94*		"	*5.00*		*98.8*	*25-150*				
Surrogate: M3PFHxS	*4.36*		"	*4.73*		*92.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.45*		"	*5.00*		*88.9*	*25-150*				
Surrogate: M6PFDA	*3.86*		"	*5.00*		*77.3*	*25-150*				
Surrogate: M7PFUdA	*3.54*		"	*5.00*		*70.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.62*		"	*5.00*		*72.4*	*25-150*				
Surrogate: M2PFTeDA	*2.87*		"	*5.00*		*57.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.39*		"	*5.00*		*87.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.80*		"	*4.78*		*79.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.37*		"	*5.00*		*87.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.88*		"	*5.00*		*57.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.93*		"	*5.00*		*58.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.25*		"	*5.00*		*85.0*	*25-150*				
Surrogate: M2-6:2 FTS	*5.20*		"	*4.74*		*110*	*25-200*				
Surrogate: M2-8:2 FTS	*4.34*		"	*4.79*		*90.7*	*25-200*				
Surrogate: M9PFNA	*4.45*		"	*5.00*		*89.1*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21852 - EPA 3550C											
Blank (BB21852-BLK1) Blank									Prepared: 02/12/2022 Analyzed: 02/13/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0605*		*"*	*0.0664*		*91.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0475*		*"*	*0.0664*		*71.5*	*30-150*				
LCS (BB21852-BS1) LCS									Prepared: 02/12/2022 Analyzed: 02/13/2022		
4,4'-DDD	0.0299	0.00164	mg/kg wet	0.0332		90.1	40-140				
4,4'-DDE	0.0360	0.00164	"	0.0332		108	40-140				
4,4'-DDT	0.0312	0.00164	"	0.0332		94.0	40-140				
Aldrin	0.0353	0.00164	"	0.0332		106	40-140				
alpha-BHC	0.0343	0.00164	"	0.0332		103	40-140				
alpha-Chlordane	0.0349	0.00164	"	0.0332		105	40-140				
beta-BHC	0.0314	0.00164	"	0.0332		94.6	40-140				
delta-BHC	0.0329	0.00164	"	0.0332		98.9	40-140				
Dieldrin	0.0351	0.00164	"	0.0332		106	40-140				
Endosulfan I	0.0343	0.00164	"	0.0332		103	40-140				
Endosulfan II	0.0336	0.00164	"	0.0332		101	40-140				
Endosulfan sulfate	0.0309	0.00164	"	0.0332		93.0	40-140				
Endrin	0.0365	0.00164	"	0.0332		110	40-140				
Endrin aldehyde	0.0434	0.00164	"	0.0332		131	40-140				
Endrin ketone	0.0368	0.00164	"	0.0332		111	40-140				
gamma-BHC (Lindane)	0.0330	0.00164	"	0.0332		99.4	40-140				
gamma-Chlordane	0.0345	0.00164	"	0.0332		104	40-140				
Heptachlor	0.0313	0.00164	"	0.0332		94.1	40-140				
Heptachlor epoxide	0.0349	0.00164	"	0.0332		105	40-140				
Methoxychlor	0.0429	0.00164	"	0.0332		129	40-140				
Surrogate: Decachlorobiphenyl	*0.0596*		*"*	*0.0664*		*89.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0480*		*"*	*0.0664*		*72.3*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21852 - EPA 3550C											
Blank (BB21852-BLK2) Blank									Prepared: 02/12/2022 Analyzed: 02/14/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0542*		"	*0.0664*		*81.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0375*		"	*0.0664*		*56.5*	*30-150*				
LCS (BB21852-BS2) LCS									Prepared: 02/12/2022 Analyzed: 02/14/2022		
Aroclor 1016	0.342	0.0166	mg/kg wet	0.332		103	40-140			30	
Aroclor 1260	0.317	0.0166	"	0.332		95.4	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0601*		"	*0.0664*		*90.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0482*		"	*0.0664*		*72.5*	*30-150*				
Matrix Spike (BB21852-MS2) Matrix Spike *Source sample: 22B0534-02 (Matrix Spike)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
Aroclor 1016	0.351	0.0174	mg/kg dry	0.349	ND	101	40-140			30	
Aroclor 1260	0.309	0.0174	"	0.349	ND	88.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0600*		"	*0.0697*		*86.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0453*		"	*0.0697*		*65.0*	*30-150*				
Matrix Spike Dup (BB21852-M Matrix Spike Dup *Source sample: 22B0534-02 (Matrix Spike Dup)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
Aroclor 1016	0.352	0.0174	mg/kg dry	0.349	ND	101	40-140		0.199	30	
Aroclor 1260	0.312	0.0174	"	0.349	ND	89.4	40-140		0.922	30	
Surrogate: Tetrachloro-m-xylene	*0.0603*		"	*0.0697*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0453*		"	*0.0697*		*65.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21853 - EPA 3550C/8151A											
Blank (BB21853-BLK1) Blank									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.276*		*"*	*0.415*		*66.4*	*21-150*				
LCS (BB21853-BS1) LCS									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0905	0.0199	mg/kg wet	0.133		68.1	10-120				
2,4,5-TP (Silvex)	0.0930	0.0199	"	0.133		70.0	10-120				
2,4-D	0.0997	0.0199	"	0.133		75.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.329*		*"*	*0.415*		*79.2*	*21-150*				
Matrix Spike (BB21853-MS1) Matrix Spike *Source sample: 22B0534-02 (Matrix Spike)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0872	0.0209	mg/kg dry	0.139	ND	62.5	10-120				
2,4,5-TP (Silvex)	0.0907	0.0209	"	0.139	ND	65.0	10-120				
2,4-D	0.0959	0.0209	"	0.139	ND	68.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.338*		*"*	*0.436*		*77.6*	*21-150*				
Matrix Spike Dup (BB21853-M Matrix Spike Dup *Source sample: 22B0534-02 (Matrix Spike Dup)									Prepared: 02/12/2022 Analyzed: 02/14/2022		
2,4,5-T	0.0854	0.0209	mg/kg dry	0.139	ND	61.2	10-120		2.02	35	
2,4,5-TP (Silvex)	0.0872	0.0209	"	0.139	ND	62.5	10-120		3.92	35	
2,4-D	0.0941	0.0209	"	0.139	ND	67.5	10-118		1.83	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.350*		*"*	*0.436*		*80.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21846 - EPA 3050B											
Blank (BB21846-BLK1) Blank									Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	7.77	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	22.2	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB21846-DUP1) Duplicate			*Source sample: 22B0555-05 (EP03_7.5)						Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	7800	6.51	mg/kg dry		7790				0.0899	35	
Antimony	4.11	3.25	"		ND					35	
Arsenic	5.38	1.95	"		8.86				48.9	35	Non-dir.
Barium	285	3.25	"		298				4.34	35	
Beryllium	ND	0.065	"		ND					35	
Cadmium	0.411	0.391	"		0.792				63.3	35	Non-dir.
Calcium	12700	6.51	"		21300				51.0	35	Non-dir.
Chromium	49.3	0.651	"		37.9				26.3	35	
Cobalt	21.7	0.521	"		17.2				22.8	35	
Copper	84.6	2.60	"		95.5				12.2	35	
Iron	24400	32.5	"		25700				5.15	35	
Lead	819	0.651	"		2070				86.8	35	Non-dir.
Magnesium	16600	6.51	"		10900				40.9	35	Non-dir.
Manganese	393	0.651	"		321				20.2	35	
Nickel	323	1.30	"		200				46.9	35	Non-dir.
Potassium	1160	6.51	"		1060				9.43	35	
Selenium	ND	3.25	"		ND					35	
Silver	ND	0.651	"		0.787					35	
Sodium	324	65.1	"		380				15.8	35	
Thallium	ND	3.25	"		ND					35	
Vanadium	126	1.30	"		109				13.8	35	
Zinc	258	3.25	"		331				24.8	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21846 - EPA 3050B											
Matrix Spike (BB21846-MS1) Matrix Spike	*Source sample: 22B0555-05 (EP03_7.5)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	11100	6.51	mg/kg dry	260	7790	NR	75-125	High Bias			
Antimony	11.1	3.25	"	32.5	ND	34.2	75-125	Low Bias			
Arsenic	291	1.95	"	260	8.86	109	75-125				
Barium	780	3.25	"	260	298	185	75-125	High Bias			
Beryllium	6.68	0.065	"	6.51	ND	103	75-125				
Cadmium	7.78	0.391	"	6.51	0.792	107	75-125				
Calcium	25900	6.51	"	130	21300	NR	75-125	High Bias			
Chromium	81.2	0.651	"	26.0	37.9	166	75-125	High Bias			
Cobalt	96.8	0.521	"	65.1	17.2	122	75-125				
Copper	130	2.60	"	32.5	95.5	106	75-125				
Iron	24800	32.5	"	130	25700	NR	75-125	Low Bias			
Lead	2590	0.651	"	65.1	2070	800	75-125	High Bias			
Magnesium	16700	6.51	"	130	10900	NR	75-125	High Bias			
Manganese	470	0.651	"	65.1	321	229	75-125	High Bias			
Nickel	327	1.30	"	65.1	200	195	75-125	High Bias			
Potassium	1540	6.51	"	130	1060	372	75-125	High Bias			
Selenium	224	3.25	"	260	ND	86.0	75-125				
Silver	7.72	0.651	"	6.51	0.787	107	75-125				
Sodium	591	65.1	"	130	380	163	75-125	High Bias			
Thallium	259	3.25	"	260	ND	99.6	75-125				
Vanadium	269	1.30	"	65.1	109	245	75-125	High Bias			
Zinc	352	3.25	"	65.1	331	32.5	75-125	Low Bias			
Post Spike (BB21846-PS1) Post Spike	*Source sample: 22B0555-05 (EP03_7.5)								Prepared: 02/11/2022 Analyzed: 02/14/2022		
Aluminum	61.4		ug/mL	2.00	59.8	79.2	75-125				
Antimony	0.314		"	0.250	0.015	119	75-125				
Arsenic	2.15		"	2.00	0.068	104	75-125				
Barium	4.37		"	2.00	2.29	104	75-125				
Beryllium	0.050		"	0.0500	-0.003	101	75-125				
Cadmium	0.058		"	0.0500	0.006	104	75-125				
Calcium	161		"	1.00	164	NR	75-125	Low Bias			
Chromium	0.492		"	0.200	0.291	100	75-125				
Cobalt	0.680		"	0.500	0.132	110	75-125				
Copper	0.989		"	0.250	0.734	102	75-125				
Iron	192		"	1.00	197	NR	75-125	Low Bias			
Lead	15.4		"	0.500	15.9	NR	75-125	Low Bias			
Magnesium	81.7		"	1.00	84.1	NR	75-125	Low Bias			
Manganese	2.94		"	0.500	2.47	94.3	75-125				
Nickel	2.04		"	0.500	1.54	101	75-125				
Potassium	9.08		"	1.00	8.12	96.6	75-125				
Selenium	1.57		"	2.00	-0.222	78.7	75-125				
Silver	0.038		"	0.0500	0.006	64.5	75-125	Low Bias			
Sodium	3.92		"	1.00	2.92	100	75-125				
Thallium	1.98		"	2.00	-0.014	98.8	75-125				
Vanadium	1.34		"	0.500	0.841	99.9	75-125				
Zinc	2.85		"	0.500	2.54	61.0	75-125	Low Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21846 - EPA 3050B											
Reference (BB21846-SRM1) Reference								Prepared: 02/11/2022 Analyzed: 02/14/2022			
Aluminum	11200	5.00	mg/kg wet	8130		137	49.9-150.1				
Antimony	82.7	2.50	"	134		61.7	19.3-250				
Arsenic	185	1.50	"	156		119	69.9-130.1				
Barium	292	2.50	"	239		122	74.9-124.7				
Beryllium	188	0.050	"	169		112	75.1-125.4				
Cadmium	146	0.300	"	137		107	75.2-124.8				
Calcium	5470	5.00	"	4760		115	72.7-127.5				
Chromium	171	0.500	"	154		111	70.1-129.9				
Cobalt	138	0.400	"	121		114	75-124.8				
Copper	69.8	2.00	"	54.9		127	74.9-125	High Bias			
Iron	17900	25.0	"	14100		127	34.9-164.5				
Lead	155	0.500	"	130		119	71.8-128.5				
Magnesium	2840	5.00	"	2320		122	62.1-137.9				
Manganese	333	0.500	"	269		124	74-126.4				
Nickel	73.2	1.00	"	53.9		136	69.9-129.9	High Bias			
Potassium	2580	5.00	"	2020		128	58.9-141.1				
Selenium	134	2.50	"	167		80.3	67.7-132.3				
Silver	38.1	0.500	"	33.6		113	68.5-131.3				
Sodium	171	50.0	"	133		129	35-165.4				
Thallium	117	2.50	"	112		105	67.9-131.3				
Vanadium	73.2	1.00	"	62.6		117	59.1-141.1				
Zinc	180	2.50	"	158		114	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21882 - EPA 7473 soil											
Blank (BB21882-BLK1) Blank								Prepared & Analyzed: 02/14/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BB21882-DUP1) Duplicate	*Source sample: 22B0458-01 (Duplicate)							Prepared & Analyzed: 02/14/2022			
Mercury	0.0659	0.0328	mg/kg dry		0.0911				32.0	35	
Matrix Spike (BB21882-MS1) Matrix Spike	*Source sample: 22B0458-01 (Matrix Spike)							Prepared & Analyzed: 02/14/2022			
Mercury	0.469		mg/kg	0.500	0.0833	77.2	75-125				
Reference (BB21882-SRM1) Reference								Prepared & Analyzed: 02/14/2022			
Mercury	19.470		mg/kg	27.2		71.6	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21862 - Analysis Preparation Soil												
Blank (BB21862-BLK1)	Blank								Prepared & Analyzed: 02/14/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB21862-DUP1)	Duplicate	*Source sample: 22B0534-01 (Duplicate)							Prepared & Analyzed: 02/14/2022			
Cyanide, total		ND	0.554	mg/kg dry		ND					15	
Matrix Spike (BB21862-MS1)	Matrix Spike	*Source sample: 22B0534-01 (Matrix Spike)							Prepared & Analyzed: 02/14/2022			
Cyanide, total		9.21	0.554	mg/kg dry	11.1	ND	83.2	79.6-107				
Reference (BB21862-SRM1)	Reference								Prepared & Analyzed: 02/14/2022			
Cyanide, total		123		ug/mL	86.8		141	41.82-157.83				
Batch BB21866 - EPA SW846-3060												
Blank (BB21866-BLK1)	Blank								Prepared & Analyzed: 02/14/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB21866-DUP1)	Duplicate	*Source sample: 22B0534-05 (Duplicate)							Prepared & Analyzed: 02/14/2022			
Chromium, Hexavalent		ND	0.533	mg/kg dry		ND					35	
Matrix Spike (BB21866-MS1)	Matrix Spike	*Source sample: 22B0534-05 (Matrix Spike)							Prepared & Analyzed: 02/14/2022			
Chromium, Hexavalent		17.6	0.533	mg/kg dry	21.3	ND	82.4	75-125				
Reference (BB21866-SRM1)	Reference								Prepared & Analyzed: 02/14/2022			
Chromium, Hexavalent		78.3		mg/L	109		71.8	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21880 - % Solids Prep											
Duplicate (BB21880-DUP1) Duplicate	*Source sample: 22B0555-05 (EP03_7.5)							Prepared & Analyzed: 02/14/2022			
% Solids	78.3	0.100	%		76.8				1.89	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0555-01	EP21_7.0	40mL Vial with Stir Bar-Cool 4° C
22B0555-02	EP22_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0555-03	EP11_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0555-04	EP12_7.5	40mL Vial with Stir Bar-Cool 4° C
22B0555-05	EP03_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0555

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 west 31st St 8th floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	X
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP21_7.5	S	2/11/2022 1230	TCL Part 375 VOCs no STARS, PCB, Pesticides Herbicides metals including cyanide	
~~EP22-7.5~~ EP22_7.5		1240		
~~EP11-7.5~~ EP11_7.5		1250	hex, trivalent, chromium, PFAS, 1-4 dioxane*	
EP12_7.5		1300	* Run for all Sampling *	
EP03_7.5		1310		
FB01_PFAS_02112022	AQ	1320	PFAS	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondence.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
of Langan	2/11/2022 1420	Neil N York Labs	2/11/22 1420	Neil N York Labs	2/11/22 1656
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Andrew S. York	2/11/22 1656 1940 (KB)	Andrew S. York	2/11/22 1934		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				7 Gab	2/11/22 1934 1.7 Degrees C

Technical Report

prepared for:

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

Report Date: 02/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0624

Report Date: 02/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0624

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 14, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0624-01	EP-37_6.5	Soil	02/14/2022	02/14/2022
22B0624-02	EP-36_6.5	Soil	02/14/2022	02/14/2022
22B0624-03	EP-27_6.5	Soil	02/14/2022	02/14/2022

General Notes for York Project (SDG) No.: 22B0624

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

Approved By **Date:** 02/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP-37_6.5 **York Sample ID:** 22B0624-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0624	170610601	Soil	February 14, 2022 2:05 pm	02/14/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**435**		mg/kg dry	1.37	1	EPA 6010D	02/15/2022 18:28	02/16/2022 16:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**72.9**		%	0.100	1	SM 2540G	02/16/2022 11:38	02/16/2022 16:28	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP-36_6.5 **York Sample ID:** 22B0624-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0624	170610601	Soil	February 14, 2022 2:15 pm	02/14/2022

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.647**		mg/kg dry	0.0391	1	EPA 7473	02/16/2022 12:28	02/16/2022 13:41	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.7**		%	0.100	1	SM 2540G	02/16/2022 11:38	02/16/2022 16:28	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP-27_6.5 **York Sample ID:** 22B0624-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0624	170610601	Soil	February 14, 2022 2:10 pm	02/14/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.480**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.566**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.448**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.459**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.133**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.384**		mg/kg dry	0.0557	0.111	2	EPA 8270D	02/15/2022 13:14	02/16/2022 11:03	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*99.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.2 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.1 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**74.6**		%	0.100	1	SM 2540G	02/16/2022 11:38	02/16/2022 16:28	MEW
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BB21972 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0624-03	EP-27_6.5	02/15/22
BB21972-BLK1	Blank	02/15/22
BB21972-BS1	LCS	02/15/22
BB21972-MS1	Matrix Spike	02/15/22
BB21972-MSD1	Matrix Spike Dup	02/15/22

Batch ID: BB22005 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0624-01	EP-37_6.5	02/15/22
BB22005-BLK1	Blank	02/15/22
BB22005-SRM1	Reference	02/15/22

Batch ID: BB22048 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0624-02	EP-36_6.5	02/16/22
BB22048-BLK1	Blank	02/16/22
BB22048-DUP1	Duplicate	02/16/22
BB22048-MS1	Matrix Spike	02/16/22
BB22048-SRM1	Reference	02/16/22

Batch ID: BB22059 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0624-01	EP-37_6.5	02/16/22
22B0624-02	EP-36_6.5	02/16/22
22B0624-03	EP-27_6.5	02/16/22
BB22059-DUP1	Duplicate	02/16/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21972 - EPA 3550C											
Blank (BB21972-BLK1) Blank									Prepared: 02/15/2022 Analyzed: 02/16/2022		
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.800*		*"*	*0.831*		*96.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.647*		*"*	*0.831*		*77.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.713*		*"*	*0.831*		*85.8*	*24-116*				
LCS (BB21972-BS1) LCS									Prepared: 02/15/2022 Analyzed: 02/16/2022		
Benzo(a)anthracene	0.531	0.0416	mg/kg wet	1.66		32.0	32-122				
Benzo(a)pyrene	0.504	0.0416	"	1.66		30.3	29-133				
Benzo(b)fluoranthene	0.555	0.0416	"	1.66		33.4	25-133				
Chrysene	0.524	0.0416	"	1.66		31.6	32-123	Low Bias			
Indeno(1,2,3-cd)pyrene	0.582	0.0416	"	1.66		35.0	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.562*		*"*	*0.831*		*67.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.545*		*"*	*0.831*		*65.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.560*		*"*	*0.831*		*67.4*	*24-116*				
Matrix Spike (BB21972-MS1) Matrix Spike *Source sample: 22B0592-02 (Matrix Spike)									Prepared: 02/15/2022 Analyzed: 02/16/2022		
Benzo(a)anthracene	1.03	0.0831	mg/kg wet	1.66		61.9	10-158				
Benzo(a)pyrene	1.11	0.0831	"	1.66		67.0	10-180				
Benzo(b)fluoranthene	1.09	0.0831	"	1.66		65.6	10-200				
Chrysene	0.981	0.0831	"	1.66		59.0	10-156				
Indeno(1,2,3-cd)pyrene	1.06	0.0831	"	1.66		63.5	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.704*		*"*	*0.831*		*84.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.582*		*"*	*0.831*		*70.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.568*		*"*	*0.831*		*68.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21972 - EPA 3550C											
Matrix Spike Dup (BB21972-M Matrix Spike Dup	*Source sample: 22B0592-02 (Matrix Spike Dup)								Prepared: 02/15/2022 Analyzed: 02/16/2022		
Benzo(a)anthracene	1.17	0.0831	mg/kg wet	1.66		70.4	10-158		12.9	30	
Benzo(a)pyrene	1.30	0.0831	"	1.66		78.0	10-180		15.2	30	
Benzo(b)fluoranthene	1.19	0.0831	"	1.66		71.7	10-200		8.80	30	
Chrysene	1.09	0.0831	"	1.66		65.8	10-156		10.8	30	
Indeno(1,2,3-cd)pyrene	1.16	0.0831	"	1.66		70.1	10-144		9.82	30	
Surrogate: SURR: Nitrobenzene-d5	*0.791*		*"*	*0.831*		*95.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.702*		*"*	*0.831*		*84.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.730*		*"*	*0.831*		*87.9*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22005 - EPA 3050B											
Blank (BB22005-BLK1) Blank									Prepared: 02/15/2022 Analyzed: 02/16/2022		
Nickel	ND	1.00	mg/kg wet								
Reference (BB22005-SRM1) Reference									Prepared: 02/15/2022 Analyzed: 02/16/2022		
Nickel	86.0	1.00	mg/kg wet	53.9		160	69.9-129.9	High Bias			

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22048 - EPA 7473 soil												
Blank (BB22048-BLK1)	Blank								Prepared & Analyzed: 02/16/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB22048-DUP1)	Duplicate	*Source sample: 22B0316-12 (Duplicate)							Prepared & Analyzed: 02/16/2022			
Mercury		0.0438	0.0360	mg/kg dry		0.119				92.2	35	Non-dir.
Matrix Spike (BB22048-MS1)	Matrix Spike	*Source sample: 22B0316-12 (Matrix Spike)							Prepared & Analyzed: 02/16/2022			
Mercury		0.495		mg/kg	0.500	0.0989	79.3	75-125				
Reference (BB22048-SRM1)	Reference								Prepared & Analyzed: 02/16/2022			
Mercury		22.078		mg/kg	27.2		81.2	0-200				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22059 - % Solids Prep											
Duplicate (BB22059-DUP1) Duplicate	*Source sample: 22B0710-10 (Duplicate)							Prepared & Analyzed: 02/16/2022			
% Solids	83.2	0.100	%		83.8				0.715	20	

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22BC824

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Attention:	Company:
Address: 360 W 31st Street 8th floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: KSemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	✓
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: ✓ New York; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; (NY ASP B Package); CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Samples Collected by: (print AND sign your name)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP37-6.5	S	2/14/22 1405	Nickel	
EP36-6.5	"	2/14/22 1415	Mercury	
EP27-6.5	"	2/14/22 1410	Chrysene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene	

Comments: Please include ksmail@langan.com & maronica@langan.com on all correspondance

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Gabriella DeGennaro/LANGAN	2/14/22 @ 1545	Matt M York Labs	2/14/22 1345	Matt M York Labs	4/5/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Edgar/York	2-14-22 1845	Edgar	2/14/22 2005		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				JG	2/14/22 2005 / 2.0 Degrees C

Technical Report

prepared for:

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

Report Date: 02/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0836

Report Date: 02/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0836

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 17, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0836-01	EP50_6.5	Soil	02/17/2022	02/17/2022
22B0836-02	EP51_6.5	Soil	02/17/2022	02/17/2022
22B0836-03	EP52_6.5	Soil	02/17/2022	02/17/2022

General Notes for York Project (SDG) No.: 22B0836

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

Approved By **Date:** 02/21/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP50_6.5 **York Sample ID:** 22B0836-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0836	170610601	Soil	February 17, 2022 2:30 pm	02/17/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**453**		mg/kg dry	0.600	1	EPA 6010D	02/18/2022 14:41	02/21/2022 13:41	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.3**		%	0.100	1	SM 2540G	02/18/2022 12:44	02/18/2022 17:00	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP51_6.5 **York Sample ID:** 22B0836-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0836	170610601	Soil	February 17, 2022 3:00 pm	02/17/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**364**		mg/kg dry	1.21	1	EPA 6010D	02/18/2022 14:41	02/21/2022 13:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.0**		%	0.100	1	SM 2540G	02/18/2022 12:44	02/18/2022 17:00	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP52_6.5 **York Sample ID:** 22B0836-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0836	170610601	Soil	February 17, 2022 3:10 pm	02/17/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.270**		mg/kg dry	0.0479	0.0955	2	EPA 8270D	02/18/2022 07:45	02/19/2022 02:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.270**		mg/kg dry	0.0479	0.0955	2	EPA 8270D	02/18/2022 07:45	02/19/2022 02:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.197**		mg/kg dry	0.0479	0.0955	2	EPA 8270D	02/18/2022 07:45	02/19/2022 02:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.260**		mg/kg dry	0.0479	0.0955	2	EPA 8270D	02/18/2022 07:45	02/19/2022 02:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.161**		mg/kg dry	0.0479	0.0955	2	EPA 8270D	02/18/2022 07:45	02/19/2022 02:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*56.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.9 %*	*24-116*

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**124**		mg/kg dry	0.580	1	EPA 6010D	02/18/2022 14:41	02/21/2022 13:45	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.2**		%	0.100	1	SM 2540G	02/18/2022 12:44	02/18/2022 17:00	MEW
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BB22191 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0836-03	EP52_6.5	02/18/22
BB22191-BLK1	Blank	02/18/22
BB22191-BS1	LCS	02/18/22

Batch ID: BB22227 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0836-01	EP50_6.5	02/18/22
22B0836-02	EP51_6.5	02/18/22
22B0836-03	EP52_6.5	02/18/22
BB22227-DUP1	Duplicate	02/18/22

Batch ID: BB22248 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0836-01	EP50_6.5	02/18/22
22B0836-02	EP51_6.5	02/18/22
22B0836-03	EP52_6.5	02/18/22
BB22248-BLK1	Blank	02/18/22
BB22248-DUP1	Duplicate	02/18/22
BB22248-MS1	Matrix Spike	02/18/22
BB22248-PS1	Post Spike	02/18/22
BB22248-SRM1	Reference	02/18/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22191 - EPA 3546 SVOA											
Blank (BB22191-BLK1) Blank								Prepared & Analyzed: 02/18/2022			
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.514*		*"*	*0.831*		*61.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.471*		*"*	*0.831*		*56.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.527*		*"*	*0.831*		*63.4*	*24-116*				
LCS (BB22191-BS1) LCS								Prepared & Analyzed: 02/18/2022			
Benzo(a)anthracene	0.570	0.0416	mg/kg wet	0.831		68.7	32-122				
Benzo(a)pyrene	0.554	0.0416	"	0.831		66.8	29-133				
Benzo(b)fluoranthene	0.565	0.0416	"	0.831		68.0	25-133				
Chrysene	0.533	0.0416	"	0.831		64.2	32-123				
Indeno(1,2,3-cd)pyrene	0.517	0.0416	"	0.831		62.2	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.552*		*"*	*0.831*		*66.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.486*		*"*	*0.831*		*58.5*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.534*		*"*	*0.831*		*64.2*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22248 - EPA 3050B												
Blank (BB22248-BLK1)	Blank									Prepared: 02/18/2022 Analyzed: 02/21/2022		
Lead		ND	0.500	mg/kg wet								
Nickel		ND	1.00	"								
Duplicate (BB22248-DUP1)	Duplicate	*Source sample: 22B0858-03 (Duplicate)								Prepared: 02/18/2022 Analyzed: 02/21/2022		
Lead		3.24	0.513	mg/kg dry		4.03				21.5	35	
Nickel		12.5	1.03	"		16.9				29.6	35	
Matrix Spike (BB22248-MS1)	Matrix Spike	*Source sample: 22B0858-03 (Matrix Spike)								Prepared: 02/18/2022 Analyzed: 02/21/2022		
Lead		57.1	0.513	mg/kg dry	51.3	4.03	103	75-125				
Nickel		69.3	1.03	"	51.3	16.9	102	75-125				
Post Spike (BB22248-PS1)	Post Spike	*Source sample: 22B0858-03 (Post Spike)								Prepared: 02/18/2022 Analyzed: 02/21/2022		
Lead		0.571		ug/mL	0.500	0.0392	106	75-125				
Nickel		0.755		mg/L	0.500	0.164	118	75-125				
Reference (BB22248-SRM1)	Reference									Prepared: 02/18/2022 Analyzed: 02/21/2022		
Lead		134	0.500	mg/kg wet	130		103	71.8-128.5				
Nickel		79.1	1.00	"	53.9		147	69.9-129.9	High Bias			

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22227 - % Solids Prep											
Duplicate (BB22227-DUP1) Duplicate	*Source sample: 22B0836-02 (EP51_6.5)							Prepared & Analyzed: 02/18/2022			
% Solids	85.7	0.100	%		83.0				3.28	20	

Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

120 RESEARCH DRIVE
STRATFORD, CT 06615
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RICHMOND HILL, NY 11418
FAX (203) 357-0166
ClientServices@yorklab.com

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22BC816

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street 8th floor New York, NY 10001	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Serman	Contact:	Contact:		RUSH - Four Day
E-mail: Kserman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP50 - 0.5	S	2/17/22 1430	Lead	
EP51 - 0.5	↓	2/17/22 1500	Nickel	
EP52 - 0.5	↓	2/17/22 1510	Benzo(a)anthracene, Benzo(a) pyrene, Benzo(b)fluoranthene, Indeno(1,2,3-cd) Pyrene, Lead, and Chrysene.	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondance

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Jessica Babb / Langan	2/17/22 1530	New York Labs	2/17/22 1530	New York Labs	2/17/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Fedex / Ups	2/17/22	Fedex	2/17/22 2016		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	2/17/22 2016 / 3.6 Degrees C

Technical Report

prepared for:

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

Report Date: 02/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0965

Report Date: 02/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0965

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 21, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0965-01	EP33_6.0	Soil	02/21/2022	02/21/2022
22B0965-02	EP34_6.0	Soil	02/21/2022	02/21/2022
22B0965-03	EP35_5.5	Soil	02/21/2022	02/21/2022
22B0965-04	EP30_6.5	Soil	02/21/2022	02/21/2022
22B0965-05	EP21_6.0	Soil	02/21/2022	02/21/2022
22B0965-06	EP31_6.5	Soil	02/21/2022	02/21/2022
22B0965-07	EP32_6.5	Soil	02/21/2022	02/21/2022
22B0965-08	EP22_6.5	Soil	02/21/2022	02/21/2022
22B0965-09	DUP03_02212022	Soil	02/21/2022	02/21/2022
22B0965-10	FB03_02212022	Water	02/21/2022	02/21/2022
22B0965-11	TB03_02212022	Water	02/21/2022	02/21/2022
22B0965-12	FB01_PFAS_02212022	Water	02/21/2022	02/21/2022

General Notes for York Project (SDG) No.: 22B0965

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

Approved By **Date:** 02/24/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.072	0.14	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.026**	CCV-E	mg/kg dry	0.0072	0.014	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.014**		mg/kg dry	0.0072	0.014	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C	02/22/2022 06:16	02/22/2022 13:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.0727**	J	mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.668**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.205	0.409	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.469**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.205	0.409	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.92**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.55**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**1.25**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.947**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.36**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0890**	J	mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.73**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.407**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.0662**	J	mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**4.01**		mg/kg dry	0.128	0.255	5	EPA 8270D	02/22/2022 07:59	02/23/2022 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.168**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.920**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.149**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.961**		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**3.36**		mg/kg dry	0.128	0.255	5	EPA 8270D	02/22/2022 07:59	02/23/2022 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.205	0.409	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*71.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*70.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*89.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*89.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.7 %*	*24-116*

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/22/2022 13:16	02/23/2022 10:38	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*50.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.291	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 14:24	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*73.6 %*	*25-150*
Surrogate: M5PFHxA	*77.0 %*	*25-150*
Surrogate: M4PFHpA	*60.5 %*	*25-150*
Surrogate: M3PFHxS	*83.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.0 %*	*25-150*
Surrogate: M6PFDA	*97.4 %*	*25-150*
Surrogate: M7PFUdA	*66.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*54.0 %*	*25-150*
Surrogate: M2PFTeDA	*43.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*66.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*73.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*50.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*101 %*	*25-150*
Surrogate: M2-6:2 FTS	*137 %*	*25-200*
Surrogate: M2-8:2 FTS	*142 %*	*25-200*
Surrogate: M9PFNA	*92.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:15	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:15	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:15	CM

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.202	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0404	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:15	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.1 %*	*30-150*

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	1	EPA 8082A	02/22/2022 07:57	02/23/2022 00:56	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 01:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 01:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 01:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7830**		mg/kg dry	6.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.44**		mg/kg dry	3.13	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP33_6.0** **York Sample ID:** **22B0965-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.02**		mg/kg dry	1.88	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**74.9**		mg/kg dry	3.13	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.376	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**10500**		mg/kg dry	6.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**59.7**		mg/kg dry	0.627	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**27.4**		mg/kg dry	0.502	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**63.4**		mg/kg dry	2.51	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**22800**		mg/kg dry	31.3	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**168**		mg/kg dry	0.627	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**25500**	B	mg/kg dry	6.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**398**		mg/kg dry	0.627	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**649**		mg/kg dry	1.25	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1320**		mg/kg dry	6.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.13	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.627	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**291**		mg/kg dry	62.7	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.13	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.0**		mg/kg dry	1.25	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**249**		mg/kg dry	3.13	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:37	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP33_6.0 **York Sample ID:** 22B0965-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.593**		mg/kg dry	0.0376	1	EPA 7473	02/22/2022 15:12	02/23/2022 16:22	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.627	1	EPA 7196A	02/22/2022 09:02	02/22/2022 16:03	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**59.7**		mg/kg	0.500	1	Calculation	02/23/2022 12:48	02/23/2022 15:58	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.627	1	EPA 9014/9010C	02/22/2022 08:30	02/22/2022 14:30	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.7**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP34_6.0** **York Sample ID:** **22B0965-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.011**		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.052**	CCV-E	mg/kg dry	0.0051	0.010	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C	02/23/2022 06:02	02/24/2022 07:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.154**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.206	0.412	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.154**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.369**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.283**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.236**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.199**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.256**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0625**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.358**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0674**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.103	0.205	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.904**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0657**	J	mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.167**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.317**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.631**		mg/kg dry	0.0515	0.103	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D	02/22/2022 07:59	02/22/2022 23:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*49.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*60.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*61.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*59.6 %*	*24-116*

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/22/2022 13:16	02/23/2022 10:55	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.495**		ug/kg dry	0.300	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:01	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.3 %*	*25-150*
Surrogate: M5PFHxA	*88.1 %*	*25-150*
Surrogate: M4PFHpA	*80.7 %*	*25-150*
Surrogate: M3PFHxS	*94.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.3 %*	*25-150*
Surrogate: M6PFDA	*112 %*	*25-150*
Surrogate: M7PFUdA	*67.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.8 %*	*25-150*
Surrogate: M2PFTeDA	*57.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*78.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*102 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*110 %*	*25-150*
Surrogate: M2-6:2 FTS	*103 %*	*25-200*
Surrogate: M2-8:2 FTS	*94.0 %*	*25-200*
Surrogate: M9PFNA	*86.5 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:32	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:32	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:32	CM

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.206	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0412	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:32	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.9 %*	*30-150*

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0208	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:10	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:04	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:04	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0247	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:04	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*80.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9060**		mg/kg dry	6.29	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**13.1**		mg/kg dry	3.14	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP34_6.0** **York Sample ID:** **22B0965-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.39**		mg/kg dry	1.89	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**101**		mg/kg dry	3.14	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.377	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11400**		mg/kg dry	6.29	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**49.5**		mg/kg dry	0.629	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**22.5**		mg/kg dry	0.503	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**96.5**		mg/kg dry	2.51	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21000**		mg/kg dry	31.4	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**228**		mg/kg dry	0.629	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**13200**	B	mg/kg dry	6.29	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**320**		mg/kg dry	0.629	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**283**		mg/kg dry	1.26	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1520**		mg/kg dry	6.29	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.14	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.629	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**426**		mg/kg dry	62.9	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.14	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**32.8**		mg/kg dry	1.26	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**282**		mg/kg dry	3.14	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP34_6.0 **York Sample ID:** 22B0965-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:30 pm	02/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.510**		mg/kg dry	0.0377	1	EPA 7473	02/22/2022 15:12	02/23/2022 17:10	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.629	1	EPA 7196A	02/22/2022 09:02	02/22/2022 16:03	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**49.5**		mg/kg	0.500	1	Calculation	02/23/2022 12:48	02/23/2022 15:58	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.629	1	EPA 9014/9010C	02/22/2022 08:30	02/22/2022 14:30	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.5**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0029**	J	mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.028**	CCV-E	mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0049**	J	mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	02/22/2022 06:16	02/22/2022 14:47	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0561**	J	mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.219	0.439	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.120**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.219	0.439	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.322**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.324**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.236**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.155**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.217**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.285**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.110	0.219	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.654**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.193**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.362**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.576**		mg/kg dry	0.0549	0.110	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.219	0.439	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:13	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*70.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*67.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*75.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*59.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.7 %*	*24-116*

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/22/2022 13:16	02/23/2022 11:12	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.287	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*68.3 %*	*25-150*
Surrogate: M5PFHxA	*75.7 %*	*25-150*
Surrogate: M4PFHpA	*50.6 %*	*25-150*
Surrogate: M3PFHxS	*79.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.8 %*	*25-150*
Surrogate: M6PFDA	*93.7 %*	*25-150*
Surrogate: M7PFUdA	*54.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*48.7 %*	*25-150*
Surrogate: M2PFTeDA	*48.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*59.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*67.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*33.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*95.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*197 %*	*25-200*
Surrogate: M2-8:2 FTS	*171 %*	*25-200*
Surrogate: M9PFNA	*80.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:49	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:49	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00219	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 12:49	CM

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.219	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0438	5	EPA 8081B	02/22/2022 07:57	02/23/2022 12:49	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.1 %*	*30-150*

Sample Information

Client Sample ID: **EP35_5.5** **York Sample ID:** **22B0965-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0221	1	EPA 8082A	02/22/2022 07:57	02/23/2022 01:23	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0263	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:15	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0263	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:15	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0263	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:15	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*77.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7630**		mg/kg dry	6.66	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**28.3**		mg/kg dry	3.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP35_5.5** **York Sample ID:** **22B0965-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**14.5**		mg/kg dry	2.00	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**130**		mg/kg dry	3.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.067	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.399	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11000**		mg/kg dry	6.66	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**49.5**		mg/kg dry	0.666	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**19.4**		mg/kg dry	0.533	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**135**		mg/kg dry	2.66	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**22200**		mg/kg dry	33.3	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**540**		mg/kg dry	0.666	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**12800**	B	mg/kg dry	6.66	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**197**		mg/kg dry	0.666	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**257**		mg/kg dry	1.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**978**		mg/kg dry	6.66	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.666	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**360**		mg/kg dry	66.6	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.0**		mg/kg dry	1.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**308**		mg/kg dry	3.33	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:55	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP35_5.5 **York Sample ID:** 22B0965-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:45 pm	02/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.938**		mg/kg dry	0.0399	1	EPA 7473	02/22/2022 15:12	02/23/2022 17:23	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.666	1	EPA 7196A	02/22/2022 09:02	02/22/2022 16:03	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**49.5**		mg/kg	0.500	1	Calculation	02/23/2022 12:48	02/23/2022 15:58	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.666	1	EPA 9014/9010C	02/22/2022 08:30	02/22/2022 14:30	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.1**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP30_6.5 **York Sample ID:** 22B0965-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 2:00 pm	02/21/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.965**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.974**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.746**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.933**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.134**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.566**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	02/22/2022 07:59	02/22/2022 20:49	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.2 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*61.4 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP21_6.0 **York Sample ID:** 22B0965-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 2:30 pm	02/21/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.0695**	J	mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.0874**	J	mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.0781**	J	mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.0671**	J	mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0640**	J	mg/kg dry	0.0490	0.0977	2	EPA 8270D	02/22/2022 07:59	02/22/2022 21:26	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.2 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP31_6.5 **York Sample ID:** 22B0965-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 2:45 pm	02/21/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D	02/22/2022 07:59	02/23/2022 10:18	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.8 %*	*24-116*

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.762**		mg/kg dry	0.0353	1	EPA 7473	02/22/2022 15:12	02/23/2022 17:36	S_G
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.0**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP32_6.5 **York Sample ID:** 22B0965-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 3:00 pm	02/21/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.560**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.639**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.535**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.568**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.131**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.356**		mg/kg dry	0.0490	0.0978	2	EPA 8270D	02/22/2022 07:59	02/22/2022 18:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.3 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*49.2 %*	*24-116*

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.256**		mg/kg dry	0.0358	1	EPA 7473	02/22/2022 15:12	02/23/2022 17:49	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.9**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP22_6.5 **York Sample ID:** 22B0965-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 2:35 pm	02/21/2022

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**1.03**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**1.31**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.954**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**1.12**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**1.13**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.120**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.801**		mg/kg dry	0.0503	0.100	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*91.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.9 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.4**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **DUP03_02212022** **York Sample ID:** **22B0965-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0031**	J	mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.030**	CCV-E	mg/kg dry	0.0056	0.011	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	02/22/2022 06:16	02/22/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.0900**	J	mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.189**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.211	0.421	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.315**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.211	0.421	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.686**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.720**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.543**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.361**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.530**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0589**	J	mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.631**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.122**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.60**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.416**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0665**	J	mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.849**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.15**		mg/kg dry	0.0527	0.105	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.211	0.421	2	EPA 8270D	02/22/2022 07:59	02/22/2022 19:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*68.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*60.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*77.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*81.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.0 %*	*24-116*

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/22/2022 13:16	02/23/2022 11:29	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.444**		ug/kg dry	0.286	1	EPA 537m Certifications:	02/22/2022 12:07	02/24/2022 15:26	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*70.7 %*	*25-150*
Surrogate: M5PFHxA	*81.9 %*	*25-150*
Surrogate: M4PFHpA	*63.5 %*	*25-150*
Surrogate: M3PFHxS	*93.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.4 %*	*25-150*
Surrogate: M6PFDA	*96.2 %*	*25-150*
Surrogate: M7PFUdA	*73.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*55.6 %*	*25-150*
Surrogate: M2PFTeDA	*52.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*65.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*67.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*120 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*102 %*	*25-150*
Surrogate: M2-6:2 FTS	*127 %*	*25-200*
Surrogate: M2-8:2 FTS	*127 %*	*25-200*
Surrogate: M9PFNA	*86.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 13:07	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 13:07	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/22/2022 07:57	02/23/2022 13:07	CM

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.208	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0415	5	EPA 8081B	02/22/2022 07:57	02/23/2022 13:07	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*31.9 %*	*30-150*

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0210	1	EPA 8082A	02/22/2022 07:57	02/23/2022 02:04	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0249	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0249	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0249	1	EPA 8151A	02/22/2022 07:56	02/23/2022 02:26	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*74.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7770**		mg/kg dry	6.35	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**15.2**		mg/kg dry	3.18	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **DUP03_02212022** **York Sample ID:** **22B0965-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**7.03**		mg/kg dry	1.91	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**101**		mg/kg dry	3.18	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.381	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**10600**		mg/kg dry	6.35	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**45.9**		mg/kg dry	0.635	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**19.1**		mg/kg dry	0.508	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**88.6**		mg/kg dry	2.54	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**19600**		mg/kg dry	31.8	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**282**		mg/kg dry	0.635	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10900**	B	mg/kg dry	6.35	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**260**		mg/kg dry	0.635	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**250**		mg/kg dry	1.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**869**		mg/kg dry	6.35	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.18	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.635	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**349**		mg/kg dry	63.5	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.18	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.9**		mg/kg dry	1.27	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**273**		mg/kg dry	3.18	1	EPA 6010D	02/22/2022 14:37	02/23/2022 12:57	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP03_02212022 **York Sample ID:** 22B0965-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Soil	February 21, 2022 1:00 pm	02/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.557**		mg/kg dry	0.0381	1	EPA 7473	02/22/2022 15:12	02/23/2022 17:59	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.635	1	EPA 7196A	02/22/2022 09:02	02/22/2022 16:03	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**45.9**		mg/kg	0.500	1	Calculation	02/23/2022 12:48	02/23/2022 15:58	VR
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.635	1	EPA 9014/9010C	02/22/2022 08:30	02/22/2022 14:30	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.7**		%	0.100	1	SM 2540G	02/22/2022 11:03	02/22/2022 15:18	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**4.52**		ug/L	1.00	2.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/22/2022 06:37	02/23/2022 08:28	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D	02/22/2022 08:08	02/22/2022 19:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*26.5 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*15.4 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*58.4 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.2 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*55.7 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*60.0 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	02/22/2022 08:08	02/23/2022 10:12	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	02/22/2022 09:33	02/22/2022 19:27	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B	02/22/2022 14:50	02/23/2022 11:08	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A	02/22/2022 14:50	02/23/2022 13:31	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.0 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	02/22/2022 11:17	02/23/2022 13:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	02/22/2022 11:17	02/23/2022 13:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	02/22/2022 11:17	02/23/2022 13:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*76.0 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.0850**	B	mg/L	0.0556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**0.0955**		mg/L	0.0556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	02/23/2022 11:05	02/23/2022 15:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	02/23/2022 11:07	02/23/2022 15:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	02/21/2022 20:38	02/21/2022 20:38	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB03_02212022 **York Sample ID:** 22B0965-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:15 pm	02/21/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	02/21/2022 21:07	02/21/2022 22:41	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	02/23/2022 16:58	02/23/2022 17:05	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	02/23/2022 08:52	02/23/2022 14:39	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: TB03_02212022 **York Sample ID:** 22B0965-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:20 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB03_02212022 **York Sample ID:** 22B0965-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:20 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB03_02212022 **York Sample ID:** 22B0965-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:20 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB03_02212022 **York Sample ID:** 22B0965-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 3:20 pm	02/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	02/22/2022 06:37	02/23/2022 05:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.7 %*	*79-122*

Sample Information

Client Sample ID: **FB01_PFAS_02212022** **York Sample ID:** **22B0965-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 4:00 pm	02/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	02/23/2022 12:10	02/23/2022 20:43	WL

Sample Information

Client Sample ID: FB01_PFAS_02212022 **York Sample ID:** 22B0965-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0965	170610601	Water	February 21, 2022 4:00 pm	02/21/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	02/23/2022 12:10	02/23/2022 20:43	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.9 %*	*25-150*
Surrogate: M5PFHxA	*90.5 %*	*25-150*
Surrogate: M4PFHpA	*87.6 %*	*25-150*
Surrogate: M3PFHxS	*90.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.5 %*	*25-150*
Surrogate: M6PFDA	*112 %*	*25-150*
Surrogate: M7PFUdA	*100 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*93.9 %*	*25-150*
Surrogate: M2PFTeDA	*79.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*46.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*117 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*149 %*	*25-150*
Surrogate: M2-6:2 FTS	*101 %*	*25-200*
Surrogate: M2-8:2 FTS	*106 %*	*25-200*
Surrogate: M9PFNA	*94.5 %*	*25-150*

Analytical Batch Summary

Batch ID: BB22356 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/21/22
BB22356-BLK1	Blank	02/21/22
BB22356-DUP1	Duplicate	02/21/22
BB22356-MS1	Matrix Spike	02/21/22

Batch ID: BB22358 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/21/22
BB22358-BLK1	Blank	02/21/22
BB22358-BS1	LCS	02/21/22
BB22358-DUP1	Duplicate	02/21/22
BB22358-MS1	Matrix Spike	02/21/22

Batch ID: BB22361 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22361-BLK1	Blank	02/22/22
BB22361-BS1	LCS	02/22/22
BB22361-MS1	Matrix Spike	02/22/22
BB22361-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22362 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22362-BLK1	Blank	02/22/22
BB22362-BLK2	Blank	02/22/22
BB22362-BS1	LCS	02/22/22
BB22362-BS2	LCS	02/22/22
BB22362-MS2	Matrix Spike	02/22/22
BB22362-MSD2	Matrix Spike Dup	02/22/22

Batch ID: BB22363 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-01RE1	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-04	EP30_6.5	02/22/22
22B0965-05	EP21_6.0	02/22/22
22B0965-06	EP31_6.5	02/22/22
22B0965-07	EP32_6.5	02/22/22
22B0965-08	EP22_6.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22363-BLK1	Blank	02/22/22
BB22363-BS1	LCS	02/22/22
BB22363-MS1	Matrix Spike	02/22/22
BB22363-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22366 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/22/22
BB22366-BLK1	Blank	02/22/22
BB22366-BLK2	Blank	02/22/22
BB22366-BS1	LCS	02/22/22
BB22366-BS2	LCS	02/22/22
BB22366-MS1	Matrix Spike	02/22/22
BB22366-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22368 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22368-BLK1	Blank	02/22/22
BB22368-DUP1	Duplicate	02/22/22
BB22368-MS1	Matrix Spike	02/22/22
BB22368-SRM1	Reference	02/22/22

Batch ID: BB22373 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22

BB22373-BLK1	Blank	02/22/22
BB22373-DUP1	Duplicate	02/22/22
BB22373-MS1	Matrix Spike	02/22/22
BB22373-SRM1	Reference	02/22/22

Batch ID: BB22377 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/22/22
BB22377-BLK1	Blank	02/22/22
BB22377-BS1	LCS	02/22/22
BB22377-MS1	Matrix Spike	02/22/22
BB22377-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22383 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-04	EP30_6.5	02/22/22
22B0965-05	EP21_6.0	02/22/22
22B0965-06	EP31_6.5	02/22/22
22B0965-07	EP32_6.5	02/22/22
22B0965-08	EP22_6.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22383-DUP1	Duplicate	02/22/22

Batch ID: BB22388 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/22/22
BB22388-BLK1	Blank	02/22/22
BB22388-BS1	LCS	02/22/22
BB22388-BSD1	LCS Dup	02/22/22

Batch ID: BB22391 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22391-BLK1	Blank	02/22/22
BB22391-BS1	LCS	02/22/22
BB22391-MS1	Matrix Spike	02/22/22
BB22391-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22401 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22401-BLK1	Blank	02/22/22
BB22401-BS1	LCS	02/22/22
BB22401-MS1	Matrix Spike	02/22/22
BB22401-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22409 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22409-BLK1	Blank	02/22/22
BB22409-DUP1	Duplicate	02/22/22
BB22409-MS1	Matrix Spike	02/22/22
BB22409-PS1	Post Spike	02/22/22
BB22409-SRM1	Reference	02/22/22

Batch ID: BB22411 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/22/22
22B0965-10	FB03_02212022	02/22/22
BB22411-BLK1	Blank	02/22/22
BB22411-BLK2	Blank	02/22/22
BB22411-BS1	LCS	02/22/22
BB22411-BS2	LCS	02/22/22
BB22411-BSD1	LCS Dup	02/22/22
BB22411-BSD2	LCS Dup	02/22/22

Batch ID: BB22413 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-02	EP34_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-06	EP31_6.5	02/22/22
22B0965-07	EP32_6.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22413-BLK1	Blank	02/22/22
BB22413-DUP1	Duplicate	02/22/22
BB22413-MS1	Matrix Spike	02/22/22
BB22413-SRM1	Reference	02/22/22

Batch ID: BB22447 **Preparation Method:** Analysis Preparation **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/23/22
BB22447-BLK1	Blank	02/23/22
BB22447-BS1	LCS	02/23/22
BB22447-DUP1	Duplicate	02/23/22
BB22447-MS1	Matrix Spike	02/23/22

Batch ID: BB22460 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/23/22
BB22460-BLK1	Blank	02/23/22
BB22460-BS1	LCS	02/23/22
BB22460-DUP1	Duplicate	02/23/22
BB22460-MS1	Matrix Spike	02/23/22
BB22460-PS1	Post Spike	02/23/22

Batch ID: BB22461 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/23/22
BB22461-BLK1	Blank	02/23/22
BB22461-BS1	LCS	02/23/22

Batch ID: BB22464 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/22/22
22B0965-03	EP35_5.5	02/22/22
22B0965-09	DUP03_02212022	02/22/22
BB22464-BLK1	Blank	02/22/22
BB22464-BLK2	Blank	02/22/22
BB22464-BLK3	Blank	02/22/22
BB22464-BLK4	Blank	02/22/22
BB22464-BS1	LCS	02/22/22
BB22464-BSD1	LCS Dup	02/22/22
BB22464-MS1	Matrix Spike	02/22/22
BB22464-MSD1	Matrix Spike Dup	02/22/22

Batch ID: BB22467 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-12	FB01_PFAS_02212022	02/23/22
BB22467-BLK1	Blank	02/23/22
BB22467-BS1	LCS	02/23/22

BB22467-BSD1	LCS Dup	02/23/22

Batch ID: BB22470 **Preparation Method:** Analysis Preparation **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-01	EP33_6.0	02/23/22
22B0965-02	EP34_6.0	02/23/22
22B0965-03	EP35_5.5	02/23/22
22B0965-09	DUP03_02212022	02/23/22

Batch ID: BB22484 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/22/22
22B0965-11	TB03_02212022	02/22/22
BB22484-BLK1	Blank	02/22/22
BB22484-BS1	LCS	02/22/22
BB22484-BSD1	LCS Dup	02/22/22

Batch ID: BB22499 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-10	FB03_02212022	02/23/22

Batch ID: BB22532 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0965-02	EP34_6.0	02/23/22
BB22532-BLK1	Blank	02/23/22
BB22532-BS1	LCS	02/23/22
BB22532-BSD1	LCS Dup	02/23/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK1) Blank									Prepared & Analyzed: 02/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK1) Blank									Prepared & Analyzed: 02/22/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.8*		*"*	*50.0*		*110*	*76-130*				
Blank (BB22464-BLK2) MEOH BLK									Prepared & Analyzed: 02/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0026	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK2) MEOH BLK									Prepared & Analyzed: 02/22/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.6*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.9*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK3) HB22B0927									Prepared & Analyzed: 02/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK3) HB22B0927									Prepared & Analyzed: 02/22/2022		
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.7*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.7*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				
Blank (BB22464-BLK4) HB22B0967									Prepared & Analyzed: 02/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Blank (BB22464-BLK4) HB22B0967									Prepared & Analyzed: 02/22/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.0*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
LCS (BB22464-BS1) LCS							Prepared & Analyzed: 02/22/2022				
1,1,1,2-Tetrachloroethane	45.5		ug/L	50.0		91.0	75-129				
1,1,1-Trichloroethane	48.5		"	50.0		97.0	71-137				
1,1,2,2-Tetrachloroethane	44.3		"	50.0		88.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		92.1	58-146				
1,1,2-Trichloroethane	45.4		"	50.0		90.9	83-123				
1,1-Dichloroethane	48.3		"	50.0		96.5	75-130				
1,1-Dichloroethylene	50.2		"	50.0		100	64-137				
1,2,3-Trichlorobenzene	41.8		"	50.0		83.7	81-140				
1,2,3-Trichloropropane	41.7		"	50.0		83.4	81-126				
1,2,4-Trichlorobenzene	42.1		"	50.0		84.2	80-141				
1,2,4-Trimethylbenzene	45.2		"	50.0		90.3	84-125				
1,2-Dibromo-3-chloropropane	44.4		"	50.0		88.8	74-142				
1,2-Dibromoethane	45.6		"	50.0		91.2	86-123				
1,2-Dichlorobenzene	46.0		"	50.0		92.1	85-122				
1,2-Dichloroethane	51.8		"	50.0		104	71-133				
1,2-Dichloropropane	48.1		"	50.0		96.2	81-122				
1,3,5-Trimethylbenzene	46.2		"	50.0		92.5	82-126				
1,3-Dichlorobenzene	42.1		"	50.0		84.2	84-124				
1,4-Dichlorobenzene	42.8		"	50.0		85.6	84-124				
1,4-Dioxane	1050		"	1050		100	10-228				
2-Butanone	40.7		"	50.0		81.5	58-147				
2-Hexanone	46.9		"	50.0		93.8	70-139				
4-Methyl-2-pentanone	36.4		"	50.0		72.7	72-132				
Acetone	46.9		"	50.0		93.8	36-155				
Acrolein	30.6		"	50.0		61.2	10-238				
Acrylonitrile	48.4		"	50.0		96.8	66-141				
Benzene	47.8		"	50.0		95.6	77-127				
Bromochloromethane	52.7		"	50.0		105	74-129				
Bromodichloromethane	50.3		"	50.0		101	81-124				
Bromoform	46.0		"	50.0		91.9	80-136				
Bromomethane	83.9		"	50.0		168	32-177				
Carbon disulfide	43.6		"	50.0		87.2	10-136				
Carbon tetrachloride	49.5		"	50.0		99.0	66-143				
Chlorobenzene	49.8		"	50.0		99.7	86-120				
Chloroethane	86.7		"	50.0		173	51-142	High Bias			
Chloroform	50.0		"	50.0		100	76-131				
Chloromethane	45.2		"	50.0		90.4	49-132				
cis-1,2-Dichloroethylene	49.2		"	50.0		98.5	74-132				
cis-1,3-Dichloropropylene	48.3		"	50.0		96.7	81-129				
Cyclohexane	45.1		"	50.0		90.2	70-130				
Dibromochloromethane	46.9		"	50.0		93.8	10-200				
Dibromomethane	48.3		"	50.0		96.6	83-124				
Dichlorodifluoromethane	22.9		"	50.0		45.8	28-158				
Ethyl Benzene	49.7		"	50.0		99.4	84-125				
Hexachlorobutadiene	42.8		"	50.0		85.6	83-133				
Isopropylbenzene	45.8		"	50.0		91.5	81-127				
Methyl acetate	45.1		"	50.0		90.2	41-143				
Methyl tert-butyl ether (MTBE)	48.2		"	50.0		96.3	74-131				
Methylcyclohexane	43.4		"	50.0		86.7	70-130				
Methylene chloride	51.5		"	50.0		103	57-141				
n-Butylbenzene	49.5		"	50.0		98.9	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
LCS (BB22464-BS1) LCS								Prepared & Analyzed: 02/22/2022			
n-Propylbenzene	51.2		ug/L	50.0		102	74-136				
o-Xylene	51.3		"	50.0		103	83-123				
p- & m- Xylenes	106		"	100		106	82-128				
p-Isopropyltoluene	46.0		"	50.0		92.0	85-125				
sec-Butylbenzene	44.8		"	50.0		89.5	83-125				
Styrene	49.8		"	50.0		99.6	86-126				
tert-Butyl alcohol (TBA)	236		"	250		94.2	70-130				
tert-Butylbenzene	38.3		"	50.0		76.6	80-127	Low Bias			
Tetrachloroethylene	42.4		"	50.0		84.8	80-129				
Toluene	48.1		"	50.0		96.2	85-121				
trans-1,2-Dichloroethylene	50.4		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	48.0		"	50.0		96.0	78-132				
Trichloroethylene	47.5		"	50.0		95.0	84-123				
Trichlorofluoromethane	81.9		"	50.0		164	62-140	High Bias			
Vinyl Chloride	51.2		"	50.0		102	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.5*		*"*	*50.0*		*91.1*	*76-130*				
LCS Dup (BB22464-BSD1) LCS Dup								Prepared & Analyzed: 02/22/2022			
1,1,1,2-Tetrachloroethane	46.8		ug/L	50.0		93.5	75-129		2.73	30	
1,1,1-Trichloroethane	47.6		"	50.0		95.2	71-137		1.85	30	
1,1,2,2-Tetrachloroethane	44.6		"	50.0		89.3	79-129		0.787	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.7	58-146		0.606	30	
1,1,2-Trichloroethane	47.1		"	50.0		94.2	83-123		3.63	30	
1,1-Dichloroethane	47.5		"	50.0		94.9	75-130		1.67	30	
1,1-Dichloroethylene	49.6		"	50.0		99.3	64-137		1.06	30	
1,2,3-Trichlorobenzene	41.6		"	50.0		83.3	81-140		0.527	30	
1,2,3-Trichloropropane	43.8		"	50.0		87.6	81-126		4.93	30	
1,2,4-Trichlorobenzene	42.5		"	50.0		85.0	80-141		0.969	30	
1,2,4-Trimethylbenzene	44.9		"	50.0		89.7	84-125		0.689	30	
1,2-Dibromo-3-chloropropane	44.3		"	50.0		88.6	74-142		0.293	30	
1,2-Dibromoethane	46.0		"	50.0		91.9	86-123		0.786	30	
1,2-Dichlorobenzene	46.6		"	50.0		93.2	85-122		1.19	30	
1,2-Dichloroethane	51.1		"	50.0		102	71-133		1.38	30	
1,2-Dichloropropane	49.2		"	50.0		98.3	81-122		2.18	30	
1,3,5-Trimethylbenzene	46.3		"	50.0		92.6	82-126		0.151	30	
1,3-Dichlorobenzene	42.6		"	50.0		85.2	84-124		1.16	30	
1,4-Dichlorobenzene	43.0		"	50.0		86.0	84-124		0.443	30	
1,4-Dioxane	1070		"	1050		102	10-228		2.12	30	
2-Butanone	42.7		"	50.0		85.4	58-147		4.72	30	
2-Hexanone	49.5		"	50.0		99.0	70-139		5.40	30	
4-Methyl-2-pentanone	38.2		"	50.0		76.5	72-132		5.09	30	
Acetone	49.2		"	50.0		98.3	36-155		4.64	30	
Acrolein	31.5		"	50.0		63.1	10-238		3.03	30	
Acrylonitrile	47.4		"	50.0		94.8	66-141		2.15	30	
Benzene	47.3		"	50.0		94.6	77-127		1.11	30	
Bromochloromethane	54.4		"	50.0		109	74-129		3.23	30	
Bromodichloromethane	49.7		"	50.0		99.3	81-124		1.28	30	
Bromoform	47.6		"	50.0		95.3	80-136		3.59	30	
Bromomethane	80.9		"	50.0		162	32-177		3.59	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
LCS Dup (BB22464-BSD1) LCS Dup								Prepared & Analyzed: 02/22/2022			
Carbon disulfide	43.3		ug/L	50.0		86.7	10-136		0.644	30	
Carbon tetrachloride	49.1		"	50.0		98.1	66-143		0.893	30	
Chlorobenzene	49.8		"	50.0		99.6	86-120		0.120	30	
Chloroethane	84.6		"	50.0		169	51-142	High Bias	2.38	30	
Chloroform	49.7		"	50.0		99.5	76-131		0.621	30	
Chloromethane	45.2		"	50.0		90.4	49-132		0.0221	30	
cis-1,2-Dichloroethylene	49.3		"	50.0		98.6	74-132		0.142	30	
cis-1,3-Dichloropropylene	48.4		"	50.0		96.9	81-129		0.207	30	
Cyclohexane	43.8		"	50.0		87.6	70-130		2.99	30	
Dibromochloromethane	47.1		"	50.0		94.3	10-200		0.553	30	
Dibromomethane	49.6		"	50.0		99.3	83-124		2.74	30	
Dichlorodifluoromethane	22.4		"	50.0		44.9	28-158		1.94	30	
Ethyl Benzene	48.9		"	50.0		97.9	84-125		1.50	30	
Hexachlorobutadiene	41.8		"	50.0		83.6	83-133		2.27	30	
Isopropylbenzene	45.6		"	50.0		91.3	81-127		0.263	30	
Methyl acetate	47.0		"	50.0		94.0	41-143		4.08	30	
Methyl tert-butyl ether (MTBE)	48.0		"	50.0		96.0	74-131		0.291	30	
Methylcyclohexane	43.5		"	50.0		87.0	70-130		0.322	30	
Methylene chloride	51.4		"	50.0		103	57-141		0.272	30	
n-Butylbenzene	50.4		"	50.0		101	80-130		1.88	30	
n-Propylbenzene	51.2		"	50.0		102	74-136		0.0391	30	
o-Xylene	51.5		"	50.0		103	83-123		0.370	30	
p- & m- Xylenes	105		"	100		105	82-128		0.967	30	
p-Isopropyltoluene	45.6		"	50.0		91.2	85-125		0.895	30	
sec-Butylbenzene	44.9		"	50.0		89.8	83-125		0.312	30	
Styrene	49.6		"	50.0		99.2	86-126		0.402	30	
tert-Butyl alcohol (TBA)	247		"	250		98.7	70-130		4.64	30	
tert-Butylbenzene	38.0		"	50.0		76.0	80-127	Low Bias	0.786	30	
Tetrachloroethylene	42.4		"	50.0		84.7	80-129		0.0236	30	
Toluene	47.4		"	50.0		94.9	85-121		1.36	30	
trans-1,2-Dichloroethylene	49.2		"	50.0		98.4	72-132		2.51	30	
trans-1,3-Dichloropropylene	48.2		"	50.0		96.5	78-132		0.519	30	
Trichloroethylene	46.7		"	50.0		93.3	84-123		1.74	30	
Trichlorofluoromethane	78.3		"	50.0		157	62-140	High Bias	4.52	30	
Vinyl Chloride	51.0		"	50.0		102	52-130		0.469	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.0*		*"*	*50.0*		*90.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22464 - EPA 5035A

Matrix Spike (BB22464-MS1) Matrix Spike *Source sample: 22B0965-01 (EP33_6.0) Prepared & Analyzed: 02/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	26.3		ug/L	50.0	0.00	52.5	15-161				
1,1,1-Trichloroethane	32.2		"	50.0	0.00	64.4	42-145				
1,1,2,2-Tetrachloroethane	29.0		"	50.0	0.00	58.0	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	28.4		"	50.0	0.00	56.8	11-160				
1,1,2-Trichloroethane	30.3		"	50.0	0.00	60.5	44-145				
1,1-Dichloroethane	34.1		"	50.0	0.00	68.3	46-142				
1,1-Dichloroethylene	28.9		"	50.0	0.00	57.8	30-153				
1,2,3-Trichlorobenzene	7.95		"	50.0	0.00	15.9	10-157				
1,2,3-Trichloropropane	31.8		"	50.0	0.00	63.5	38-155				
1,2,4-Trichlorobenzene	6.98		"	50.0	0.00	14.0	10-151				
1,2,4-Trimethylbenzene	17.5		"	50.0	0.00	35.0	10-170				
1,2-Dibromo-3-chloropropane	24.3		"	50.0	0.00	48.6	36-138				
1,2-Dibromoethane	22.8		"	50.0	0.00	45.5	40-142				
1,2-Dichlorobenzene	14.6		"	50.0	0.00	29.3	10-147				
1,2-Dichloroethane	32.8		"	50.0	0.00	65.6	48-133				
1,2-Dichloropropane	33.2		"	50.0	0.00	66.5	47-141				
1,3,5-Trimethylbenzene	17.8		"	50.0	0.00	35.5	10-150				
1,3-Dichlorobenzene	11.8		"	50.0	0.00	23.7	10-144				
1,4-Dichlorobenzene	11.2		"	50.0	0.00	22.4	10-160				
1,4-Dioxane	1130		"	1050	0.00	108	10-191				
2-Butanone	34.2		"	50.0	2.78	62.9	10-189				
2-Hexanone	36.8		"	50.0	0.00	73.6	10-181				
4-Methyl-2-pentanone	29.6		"	50.0	0.00	59.1	10-166				
Acetone	74.7		"	50.0	20.4	108	10-196				
Acrolein	8.08		"	50.0	0.00	16.2	10-192				
Acrylonitrile	35.9		"	50.0	0.00	71.8	13-161				
Benzene	30.8		"	50.0	0.00	61.6	43-139				
Bromochloromethane	30.9		"	50.0	0.00	61.7	38-145				
Bromodichloromethane	29.4		"	50.0	0.00	58.8	38-147				
Bromoform	24.4		"	50.0	0.00	48.7	29-156				
Bromomethane	48.6		"	50.0	0.00	97.3	10-166				
Carbon disulfide	15.3		"	50.0	0.00	30.5	10-131				
Carbon tetrachloride	29.5		"	50.0	0.00	59.1	35-145				
Chlorobenzene	21.4		"	50.0	0.00	42.8	21-154				
Chloroethane	55.0		"	50.0	0.00	110	15-160				
Chloroform	34.4		"	50.0	0.00	68.9	47-142				
Chloromethane	28.8		"	50.0	0.00	57.7	10-159				
cis-1,2-Dichloroethylene	27.0		"	50.0	0.00	53.9	42-144				
cis-1,3-Dichloropropylene	19.5		"	50.0	0.00	39.1	18-159				
Cyclohexane	21.4		"	50.0	0.00	42.8	70-130	Low Bias			
Dibromochloromethane	26.2		"	50.0	0.00	52.3	10-179				
Dibromomethane	23.8		"	50.0	0.00	47.7	47-143				
Dichlorodifluoromethane	12.5		"	50.0	0.00	25.0	10-145				
Ethyl Benzene	22.4		"	50.0	0.00	44.8	11-158				
Hexachlorobutadiene	6.87		"	50.0	0.00	13.7	10-158				
Isopropylbenzene	21.6		"	50.0	0.00	43.2	10-162				
Methyl acetate	47.4		"	50.0	0.00	94.7	10-149				
Methyl tert-butyl ether (MTBE)	36.6		"	50.0	0.00	73.1	42-152				
Methylcyclohexane	14.0		"	50.0	0.00	28.0	70-130	Low Bias			
Methylene chloride	34.4		"	50.0	11.2	46.4	28-151				
n-Butylbenzene	11.3		"	50.0	0.00	22.6	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Matrix Spike (BB22464-MS1) Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022		
n-Propylbenzene	18.3		ug/L	50.0	0.00	36.6	10-155				
o-Xylene	24.5		"	50.0	0.00	48.9	10-158				
p- & m- Xylenes	44.7		"	100	0.00	44.7	10-156				
p-Isopropyltoluene	16.6		"	50.0	0.00	33.3	10-147				
sec-Butylbenzene	13.7		"	50.0	0.00	27.5	10-157				
Styrene	18.2		"	50.0	0.00	36.4	13-171				
tert-Butyl alcohol (TBA)	193		"	250	0.00	77.4	34-179				
tert-Butylbenzene	14.7		"	50.0	0.00	29.4	10-160				
Tetrachloroethylene	17.6		"	50.0	0.00	35.2	30-167				
Toluene	26.2		"	50.0	0.00	52.3	21-160				
trans-1,2-Dichloroethylene	21.9		"	50.0	0.00	43.8	29-153				
trans-1,3-Dichloropropylene	14.4		"	50.0	0.00	28.9	18-155				
Trichloroethylene	23.3		"	50.0	0.00	46.6	24-169				
Trichlorofluoromethane	58.3		"	50.0	0.00	117	35-142				
Vinyl Chloride	30.5		"	50.0	0.00	61.0	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.4*		*"*	*50.0*		*111*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				
Matrix Spike Dup (BB22464-M Matrix Spike Dup	*Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022		
1,1,1,2-Tetrachloroethane	26.8		ug/L	50.0	0.00	53.7	15-161		2.11	33	
1,1,1-Trichloroethane	30.6		"	50.0	0.00	61.2	42-145		5.13	30	
1,1,2,2-Tetrachloroethane	26.1		"	50.0	0.00	52.2	16-167		10.6	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	25.0		"	50.0	0.00	50.1	11-160		12.6	31	
1,1,2-Trichloroethane	28.1		"	50.0	0.00	56.2	44-145		7.33	40	
1,1-Dichloroethane	32.4		"	50.0	0.00	64.9	46-142		5.08	36	
1,1-Dichloroethylene	24.7		"	50.0	0.00	49.4	30-153		15.6	31	
1,2,3-Trichlorobenzene	6.60		"	50.0	0.00	13.2	10-157		18.6	47	
1,2,3-Trichloropropane	31.0		"	50.0	0.00	62.0	38-155		2.42	48	
1,2,4-Trichlorobenzene	5.64		"	50.0	0.00	11.3	10-151		21.2	52	
1,2,4-Trimethylbenzene	16.2		"	50.0	0.00	32.4	10-170		7.77	242	
1,2-Dibromo-3-chloropropane	20.7		"	50.0	0.00	41.5	36-138		15.9	54	
1,2-Dibromoethane	19.8		"	50.0	0.00	39.6	40-142	Low Bias	13.8	39	
1,2-Dichlorobenzene	12.9		"	50.0	0.00	25.9	10-147		12.3	52	
1,2-Dichloroethane	29.3		"	50.0	0.00	58.7	48-133		11.2	32	
1,2-Dichloropropane	31.7		"	50.0	0.00	63.5	47-141		4.59	37	
1,3,5-Trimethylbenzene	16.5		"	50.0	0.00	33.1	10-150		7.11	62	
1,3-Dichlorobenzene	10.2		"	50.0	0.00	20.4	10-144		15.0	51	
1,4-Dichlorobenzene	8.98		"	50.0	0.00	18.0	10-160		21.8	52	
1,4-Dioxane	944		"	1050	0.00	89.9	10-191		18.3	196	
2-Butanone	33.0		"	50.0	2.78	60.3	10-189		3.75	67	
2-Hexanone	32.3		"	50.0	0.00	64.5	10-181		13.1	60	
4-Methyl-2-pentanone	27.4		"	50.0	0.00	54.7	10-166		7.73	47	
Acetone	64.7		"	50.0	20.4	88.4	10-196		14.4	150	
Acrolein	5.59		"	50.0	0.00	11.2	10-192		36.4	128	
Acrylonitrile	29.9		"	50.0	0.00	59.8	13-161		18.3	48	
Benzene	28.5		"	50.0	0.00	57.0	43-139		7.75	64	
Bromochloromethane	28.6		"	50.0	0.00	57.2	38-145		7.67	30	
Bromodichloromethane	29.6		"	50.0	0.00	59.1	38-147		0.543	37	
Bromoform	23.5		"	50.0	0.00	47.0	29-156		3.55	51	
Bromomethane	45.0		"	50.0	0.00	90.0	10-166		7.75	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22464 - EPA 5035A											
Matrix Spike Dup (BB22464-M Matrix Spike Dup *Source sample: 22B0965-01 (EP33_6.0)									Prepared & Analyzed: 02/22/2022		
Carbon disulfide	12.1		ug/L	50.0	0.00	24.3	10-131		22.9	36	
Carbon tetrachloride	28.1		"	50.0	0.00	56.2	35-145		5.00	31	
Chlorobenzene	18.9		"	50.0	0.00	37.8	21-154		12.3	32	
Chloroethane	57.3		"	50.0	0.00	115	15-160		4.13	40	
Chloroform	31.9		"	50.0	0.00	63.8	47-142		7.60	29	
Chloromethane	27.5		"	50.0	0.00	55.0	10-159		4.76	31	
cis-1,2-Dichloroethylene	23.0		"	50.0	0.00	46.0	42-144		15.8	30	
cis-1,3-Dichloropropylene	16.1		"	50.0	0.00	32.3	18-159		19.1	39	
Cyclohexane	19.9		"	50.0	0.00	39.9	70-130	Low Bias	7.16	30	
Dibromochloromethane	26.3		"	50.0	0.00	52.6	10-179		0.610	41	
Dibromomethane	22.0		"	50.0	0.00	44.1	47-143	Low Bias	7.80	41	
Dichlorodifluoromethane	11.6		"	50.0	0.00	23.3	10-145		6.96	34	
Ethyl Benzene	20.9		"	50.0	0.00	41.7	11-158		7.07	42	
Hexachlorobutadiene	5.82		"	50.0	0.00	11.6	10-158		16.5	45	
Isopropylbenzene	20.7		"	50.0	0.00	41.3	10-162		4.45	57	
Methyl acetate	35.8		"	50.0	0.00	71.5	10-149		27.9	64	
Methyl tert-butyl ether (MTBE)	34.4		"	50.0	0.00	68.8	42-152		6.06	47	
Methylcyclohexane	12.9		"	50.0	0.00	25.8	70-130	Low Bias	7.96	30	
Methylene chloride	34.2		"	50.0	11.2	45.9	28-151		0.699	49	
n-Butylbenzene	9.36		"	50.0	0.00	18.7	10-162		18.9	96	
n-Propylbenzene	16.1		"	50.0	0.00	32.3	10-155		12.6	56	
o-Xylene	23.7		"	50.0	0.00	47.4	10-158		3.11	51	
p- & m- Xylenes	41.1		"	100	0.00	41.1	10-156		8.35	47	
p-Isopropyltoluene	21.0		"	50.0	0.00	42.0	10-147		23.0	60	
sec-Butylbenzene	12.5		"	50.0	0.00	25.0	10-157		9.30	56	
Styrene	15.6		"	50.0	0.00	31.3	13-171		15.2	39	
tert-Butyl alcohol (TBA)	173		"	250	0.00	69.3	34-179		11.0	35	
tert-Butylbenzene	13.6		"	50.0	0.00	27.3	10-160		7.54	79	
Tetrachloroethylene	16.4		"	50.0	0.00	32.9	30-167		6.82	33	
Toluene	24.2		"	50.0	0.00	48.4	21-160		7.86	50	
trans-1,2-Dichloroethylene	17.8		"	50.0	0.00	35.5	29-153		21.0	30	
trans-1,3-Dichloropropylene	11.7		"	50.0	0.00	23.4	18-155		21.2	30	
Trichloroethylene	20.5		"	50.0	0.00	41.1	24-169		12.6	30	
Trichlorofluoromethane	53.4		"	50.0	0.00	107	35-142		8.80	30	
Vinyl Chloride	26.7		"	50.0	0.00	53.4	12-160		13.2	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*55.0*		*"*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.1*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22484 - EPA 5030B											
Blank (BB22484-BLK1) Blank									Prepared: 02/22/2022 Analyzed: 02/23/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	1.27	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22484 - EPA 5030B											
Blank (BB22484-BLK1) Blank									Prepared: 02/22/2022 Analyzed: 02/23/2022		
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*79-122*				
LCS (BB22484-BS1) LCS									Prepared: 02/22/2022 Analyzed: 02/23/2022		
1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0		95.1	82-126				
1,1,1-Trichloroethane	8.76		"	10.0		87.6	78-136				
1,1,2,2-Tetrachloroethane	9.32		"	10.0		93.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.83		"	10.0		78.3	54-165				
1,1,2-Trichloroethane	9.16		"	10.0		91.6	82-123				
1,1-Dichloroethane	8.95		"	10.0		89.5	82-129				
1,1-Dichloroethylene	8.57		"	10.0		85.7	68-138				
1,2,3-Trichlorobenzene	8.80		"	10.0		88.0	76-136				
1,2,3-Trichloropropane	9.29		"	10.0		92.9	77-128				
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137				
1,2,4-Trimethylbenzene	9.06		"	10.0		90.6	82-132				
1,2-Dibromo-3-chloropropane	7.26		"	10.0		72.6	45-147				
1,2-Dibromoethane	9.29		"	10.0		92.9	83-124				
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123				
1,2-Dichloroethane	9.44		"	10.0		94.4	73-132				
1,2-Dichloropropane	9.94		"	10.0		99.4	78-126				
1,3,5-Trimethylbenzene	9.15		"	10.0		91.5	80-131				
1,3-Dichlorobenzene	9.02		"	10.0		90.2	86-122				
1,4-Dichlorobenzene	9.19		"	10.0		91.9	85-124				
1,4-Dioxane	222		"	210		106	10-349				
2-Butanone	9.07		"	10.0		90.7	49-152				
2-Hexanone	9.97		"	10.0		99.7	51-146				
4-Methyl-2-pentanone	9.92		"	10.0		99.2	57-145				
Acetone	9.30		"	10.0		93.0	14-150				
Acrolein	4.64		"	10.0		46.4	10-153				
Acrylonitrile	9.71		"	10.0		97.1	51-150				
Benzene	9.01		"	10.0		90.1	85-126				
Bromochloromethane	9.59		"	10.0		95.9	77-128				
Bromodichloromethane	8.87		"	10.0		88.7	79-128				
Bromoform	9.62		"	10.0		96.2	78-133				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22484 - EPA 5030B											
LCS (BB22484-BS1) LCS								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Bromomethane	2.43		ug/L	10.0		24.3	43-168	Low Bias			
Carbon disulfide	7.41		"	10.0		74.1	68-146				
Carbon tetrachloride	8.90		"	10.0		89.0	77-141				
Chlorobenzene	9.83		"	10.0		98.3	88-120				
Chloroethane	7.54		"	10.0		75.4	65-136				
Chloroform	9.07		"	10.0		90.7	82-128				
Chloromethane	5.54		"	10.0		55.4	43-155				
cis-1,2-Dichloroethylene	8.94		"	10.0		89.4	83-129				
cis-1,3-Dichloropropylene	8.88		"	10.0		88.8	80-131				
Cyclohexane	6.16		"	10.0		61.6	63-149	Low Bias			
Dibromochloromethane	8.87		"	10.0		88.7	80-130				
Dibromomethane	9.10		"	10.0		91.0	72-134				
Dichlorodifluoromethane	3.92		"	10.0		39.2	44-144	Low Bias			
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	12.3		"	10.0		123	67-146				
Isopropylbenzene	9.69		"	10.0		96.9	76-140				
Methyl acetate	8.37		"	10.0		83.7	51-139				
Methyl tert-butyl ether (MTBE)	8.89		"	10.0		88.9	76-135				
Methylcyclohexane	8.16		"	10.0		81.6	72-143				
Methylene chloride	9.06		"	10.0		90.6	55-137				
n-Butylbenzene	9.34		"	10.0		93.4	79-132				
n-Propylbenzene	9.70		"	10.0		97.0	78-133				
o-Xylene	9.95		"	10.0		99.5	78-130				
p- & m- Xylenes	17.2		"	20.0		86.0	77-133				
p-Isopropyltoluene	9.41		"	10.0		94.1	81-136				
sec-Butylbenzene	9.46		"	10.0		94.6	79-137				
Styrene	9.39		"	10.0		93.9	67-132				
tert-Butyl alcohol (TBA)	43.7		"	50.0		87.5	25-162				
tert-Butylbenzene	7.65		"	10.0		76.5	77-138	Low Bias			
Tetrachloroethylene	9.40		"	10.0		94.0	82-131				
Toluene	9.47		"	10.0		94.7	80-127				
trans-1,2-Dichloroethylene	8.83		"	10.0		88.3	80-132				
trans-1,3-Dichloropropylene	8.88		"	10.0		88.8	78-131				
Trichloroethylene	8.85		"	10.0		88.5	82-128				
Trichlorofluoromethane	8.17		"	10.0		81.7	67-139				
Vinyl Chloride	6.96		"	10.0		69.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.51*		*"*	*10.0*		*95.1*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22484 - EPA 5030B

LCS Dup (BB22484-BSD1) LCS Dup — Prepared: 02/22/2022 Analyzed: 02/23/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.18		ug/L	10.0		91.8	82-126		3.53	30	
1,1,1-Trichloroethane	8.30		"	10.0		83.0	78-136		5.39	30	
1,1,2,2-Tetrachloroethane	9.26		"	10.0		92.6	76-129		0.646	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.37		"	10.0		73.7	54-165		6.05	30	
1,1,2-Trichloroethane	9.04		"	10.0		90.4	82-123		1.32	30	
1,1-Dichloroethane	8.57		"	10.0		85.7	82-129		4.34	30	
1,1-Dichloroethylene	8.10		"	10.0		81.0	68-138		5.64	30	
1,2,3-Trichlorobenzene	8.86		"	10.0		88.6	76-136		0.679	30	
1,2,3-Trichloropropane	9.29		"	10.0		92.9	77-128		0.00	30	
1,2,4-Trichlorobenzene	8.93		"	10.0		89.3	76-137		0.337	30	
1,2,4-Trimethylbenzene	8.84		"	10.0		88.4	82-132		2.46	30	
1,2-Dibromo-3-chloropropane	7.39		"	10.0		73.9	45-147		1.77	30	
1,2-Dibromoethane	9.17		"	10.0		91.7	83-124		1.30	30	
1,2-Dichlorobenzene	9.41		"	10.0		94.1	79-123		2.31	30	
1,2-Dichloroethane	9.18		"	10.0		91.8	73-132		2.79	30	
1,2-Dichloropropane	9.68		"	10.0		96.8	78-126		2.65	30	
1,3,5-Trimethylbenzene	8.86		"	10.0		88.6	80-131		3.22	30	
1,3-Dichlorobenzene	8.84		"	10.0		88.4	86-122		2.02	30	
1,4-Dichlorobenzene	8.98		"	10.0		89.8	85-124		2.31	30	
1,4-Dioxane	222		"	210		106	10-349		0.0630	30	
2-Butanone	8.97		"	10.0		89.7	49-152		1.11	30	
2-Hexanone	9.95		"	10.0		99.5	51-146		0.201	30	
4-Methyl-2-pentanone	9.89		"	10.0		98.9	57-145		0.303	30	
Acetone	9.62		"	10.0		96.2	14-150		3.38	30	
Acrolein	4.54		"	10.0		45.4	10-153		2.18	30	
Acrylonitrile	9.65		"	10.0		96.5	51-150		0.620	30	
Benzene	8.65		"	10.0		86.5	85-126		4.08	30	
Bromochloromethane	9.29		"	10.0		92.9	77-128		3.18	30	
Bromodichloromethane	8.65		"	10.0		86.5	79-128		2.51	30	
Bromoform	9.53		"	10.0		95.3	78-133		0.940	30	
Bromomethane	2.56		"	10.0		25.6	43-168	Low Bias	5.21	30	
Carbon disulfide	6.99		"	10.0		69.9	68-146		5.83	30	
Carbon tetrachloride	8.45		"	10.0		84.5	77-141		5.19	30	
Chlorobenzene	9.49		"	10.0		94.9	88-120		3.52	30	
Chloroethane	7.19		"	10.0		71.9	65-136		4.75	30	
Chloroform	8.72		"	10.0		87.2	82-128		3.93	30	
Chloromethane	5.23		"	10.0		52.3	43-155		5.76	30	
cis-1,2-Dichloroethylene	8.60		"	10.0		86.0	83-129		3.88	30	
cis-1,3-Dichloropropylene	8.64		"	10.0		86.4	80-131		2.74	30	
Cyclohexane	5.79		"	10.0		57.9	63-149	Low Bias	6.19	30	
Dibromochloromethane	8.77		"	10.0		87.7	80-130		1.13	30	
Dibromomethane	8.86		"	10.0		88.6	72-134		2.67	30	
Dichlorodifluoromethane	3.64		"	10.0		36.4	44-144	Low Bias	7.41	30	
Ethyl Benzene	9.75		"	10.0		97.5	80-131		3.82	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		2.56	30	
Isopropylbenzene	9.36		"	10.0		93.6	76-140		3.46	30	
Methyl acetate	8.28		"	10.0		82.8	51-139		1.08	30	
Methyl tert-butyl ether (MTBE)	8.72		"	10.0		87.2	76-135		1.93	30	
Methylcyclohexane	7.73		"	10.0		77.3	72-143		5.41	30	
Methylene chloride	8.87		"	10.0		88.7	55-137		2.12	30	
n-Butylbenzene	9.06		"	10.0		90.6	79-132		3.04	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22484 - EPA 5030B											
LCS Dup (BB22484-BSD1) LCS Dup									Prepared: 02/22/2022 Analyzed: 02/23/2022		
n-Propylbenzene	9.34		ug/L	10.0		93.4	78-133		3.78	30	
o-Xylene	9.64		"	10.0		96.4	78-130		3.16	30	
p- & m- Xylenes	16.5		"	20.0		82.6	77-133		4.09	30	
p-Isopropyltoluene	9.07		"	10.0		90.7	81-136		3.68	30	
sec-Butylbenzene	9.10		"	10.0		91.0	79-137		3.88	30	
Styrene	9.10		"	10.0		91.0	67-132		3.14	30	
tert-Butyl alcohol (TBA)	43.6		"	50.0		87.2	25-162		0.275	30	
tert-Butylbenzene	7.35		"	10.0		73.5	77-138	Low Bias	4.00	30	
Tetrachloroethylene	8.96		"	10.0		89.6	82-131		4.79	30	
Toluene	9.11		"	10.0		91.1	80-127		3.88	30	
trans-1,2-Dichloroethylene	8.43		"	10.0		84.3	80-132		4.63	30	
trans-1,3-Dichloropropylene	8.75		"	10.0		87.5	78-131		1.47	30	
Trichloroethylene	8.38		"	10.0		83.8	82-128		5.46	30	
Trichlorofluoromethane	7.66		"	10.0		76.6	67-139		6.44	30	
Vinyl Chloride	6.55		"	10.0		65.5	58-145		6.07	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.53*		*"*	*10.0*		*95.3*	*79-122*				
Batch BB22532 - EPA 5035A											
Blank (BB22532-BLK1) Blank									Prepared: 02/23/2022 Analyzed: 02/24/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22532 - EPA 5035A											
Blank (BB22532-BLK1) Blank									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.1*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22532 - EPA 5035A

LCS (BB22532-BS1) LCS — Prepared: 02/23/2022 Analyzed: 02/24/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	55.7		ug/L	50.0		111	75-129				
1,1,1-Trichloroethane	59.3		"	50.0		119	71-137				
1,1,2,2-Tetrachloroethane	56.0		"	50.0		112	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.1		"	50.0		108	58-146				
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123				
1,1-Dichloroethane	50.2		"	50.0		100	75-130				
1,1-Dichloroethylene	55.6		"	50.0		111	64-137				
1,2,3-Trichlorobenzene	52.9		"	50.0		106	81-140				
1,2,3-Trichloropropane	55.6		"	50.0		111	81-126				
1,2,4-Trichlorobenzene	52.1		"	50.0		104	80-141				
1,2,4-Trimethylbenzene	53.8		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	59.0		"	50.0		118	74-142				
1,2-Dibromoethane	57.2		"	50.0		114	86-123				
1,2-Dichlorobenzene	53.5		"	50.0		107	85-122				
1,2-Dichloroethane	51.8		"	50.0		104	71-133				
1,2-Dichloropropane	53.2		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	52.7		"	50.0		105	82-126				
1,3-Dichlorobenzene	53.1		"	50.0		106	84-124				
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124				
1,4-Dioxane	1310		"	1050		125	10-228				
2-Butanone	47.9		"	50.0		95.8	58-147				
2-Hexanone	52.1		"	50.0		104	70-139				
4-Methyl-2-pentanone	52.5		"	50.0		105	72-132				
Acetone	34.8		"	50.0		69.5	36-155				
Acrolein	40.6		"	50.0		81.1	10-238				
Acrylonitrile	50.9		"	50.0		102	66-141				
Benzene	51.9		"	50.0		104	77-127				
Bromochloromethane	53.0		"	50.0		106	74-129				
Bromodichloromethane	56.9		"	50.0		114	81-124				
Bromoform	61.9		"	50.0		124	80-136				
Bromomethane	78.5		"	50.0		157	32-177				
Carbon disulfide	57.6		"	50.0		115	10-136				
Carbon tetrachloride	62.0		"	50.0		124	66-143				
Chlorobenzene	55.3		"	50.0		111	86-120				
Chloroethane	64.1		"	50.0		128	51-142				
Chloroform	50.9		"	50.0		102	76-131				
Chloromethane	59.8		"	50.0		120	49-132				
cis-1,2-Dichloroethylene	51.7		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	50.3		"	50.0		101	81-129				
Cyclohexane	48.3		"	50.0		96.6	70-130				
Dibromochloromethane	55.1		"	50.0		110	10-200				
Dibromomethane	52.4		"	50.0		105	83-124				
Dichlorodifluoromethane	62.5		"	50.0		125	28-158				
Ethyl Benzene	54.0		"	50.0		108	84-125				
Hexachlorobutadiene	51.2		"	50.0		102	83-133				
Isopropylbenzene	55.4		"	50.0		111	81-127				
Methyl acetate	51.1		"	50.0		102	41-143				
Methyl tert-butyl ether (MTBE)	58.8		"	50.0		118	74-131				
Methylcyclohexane	50.8		"	50.0		102	70-130				
Methylene chloride	51.5		"	50.0		103	57-141				
n-Butylbenzene	53.3		"	50.0		107	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22532 - EPA 5035A											
LCS (BB22532-BS1) LCS									Prepared: 02/23/2022 Analyzed: 02/24/2022		
n-Propylbenzene	54.6		ug/L	50.0		109	74-136				
o-Xylene	54.0		"	50.0		108	83-123				
p- & m- Xylenes	109		"	100		109	82-128				
p-Isopropyltoluene	54.8		"	50.0		110	85-125				
sec-Butylbenzene	54.1		"	50.0		108	83-125				
Styrene	51.1		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	271		"	250		109	70-130				
tert-Butylbenzene	54.2		"	50.0		108	80-127				
Tetrachloroethylene	48.5		"	50.0		97.0	80-129				
Toluene	52.9		"	50.0		106	85-121				
trans-1,2-Dichloroethylene	53.8		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	49.0		"	50.0		97.9	78-132				
Trichloroethylene	53.6		"	50.0		107	84-123				
Trichlorofluoromethane	68.8		"	50.0		138	62-140				
Vinyl Chloride	63.7		"	50.0		127	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				
LCS Dup (BB22532-BSD1) LCS Dup									Prepared: 02/23/2022 Analyzed: 02/24/2022		
1,1,1,2-Tetrachloroethane	55.1		ug/L	50.0		110	75-129		0.975	30	
1,1,1-Trichloroethane	58.5		"	50.0		117	71-137		1.32	30	
1,1,2,2-Tetrachloroethane	53.2		"	50.0		106	79-129		5.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.4		"	50.0		107	58-146		1.32	30	
1,1,2-Trichloroethane	51.2		"	50.0		102	83-123		2.15	30	
1,1-Dichloroethane	49.4		"	50.0		98.8	75-130		1.57	30	
1,1-Dichloroethylene	54.8		"	50.0		110	64-137		1.47	30	
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140		5.34	30	
1,2,3-Trichloropropane	53.5		"	50.0		107	81-126		3.82	30	
1,2,4-Trichlorobenzene	48.8		"	50.0		97.6	80-141		6.58	30	
1,2,4-Trimethylbenzene	52.4		"	50.0		105	84-125		2.67	30	
1,2-Dibromo-3-chloropropane	55.8		"	50.0		112	74-142		5.50	30	
1,2-Dibromoethane	55.8		"	50.0		112	86-123		2.37	30	
1,2-Dichlorobenzene	51.8		"	50.0		104	85-122		3.40	30	
1,2-Dichloroethane	50.1		"	50.0		100	71-133		3.32	30	
1,2-Dichloropropane	53.9		"	50.0		108	81-122		1.33	30	
1,3,5-Trimethylbenzene	52.0		"	50.0		104	82-126		1.40	30	
1,3-Dichlorobenzene	51.2		"	50.0		102	84-124		3.82	30	
1,4-Dichlorobenzene	50.7		"	50.0		101	84-124		3.60	30	
1,4-Dioxane	1220		"	1050		116	10-228		7.16	30	
2-Butanone	46.0		"	50.0		91.9	58-147		4.09	30	
2-Hexanone	48.6		"	50.0		97.1	70-139		6.98	30	
4-Methyl-2-pentanone	49.8		"	50.0		99.6	72-132		5.30	30	
Acetone	33.7		"	50.0		67.4	36-155		3.07	30	
Acrolein	9.15		"	50.0		18.3	10-238		126	30	Non-dir.
Acrylonitrile	48.4		"	50.0		96.8	66-141		5.07	30	
Benzene	50.8		"	50.0		102	77-127		2.10	30	
Bromochloromethane	52.0		"	50.0		104	74-129		1.81	30	
Bromodichloromethane	56.4		"	50.0		113	81-124		0.989	30	
Bromoform	60.7		"	50.0		121	80-136		1.99	30	
Bromomethane	82.4		"	50.0		165	32-177		4.86	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22532 - EPA 5035A											
LCS Dup (BB22532-BSD1) LCS Dup									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Carbon disulfide	56.8		ug/L	50.0		114	10-136		1.50	30	
Carbon tetrachloride	61.0		"	50.0		122	66-143		1.63	30	
Chlorobenzene	54.8		"	50.0		110	86-120		0.890	30	
Chloroethane	63.1		"	50.0		126	51-142		1.56	30	
Chloroform	50.1		"	50.0		100	76-131		1.54	30	
Chloromethane	59.4		"	50.0		119	49-132		0.738	30	
cis-1,2-Dichloroethylene	50.8		"	50.0		102	74-132		1.74	30	
cis-1,3-Dichloropropylene	50.0		"	50.0		100	81-129		0.538	30	
Cyclohexane	47.9		"	50.0		95.8	70-130		0.873	30	
Dibromochloromethane	54.4		"	50.0		109	10-200		1.24	30	
Dibromomethane	51.2		"	50.0		102	83-124		2.32	30	
Dichlorodifluoromethane	62.2		"	50.0		124	28-158		0.497	30	
Ethyl Benzene	51.8		"	50.0		104	84-125		4.29	30	
Hexachlorobutadiene	50.5		"	50.0		101	83-133		1.38	30	
Isopropylbenzene	53.1		"	50.0		106	81-127		4.37	30	
Methyl acetate	49.5		"	50.0		99.0	41-143		3.28	30	
Methyl tert-butyl ether (MTBE)	56.4		"	50.0		113	74-131		4.12	30	
Methylcyclohexane	51.2		"	50.0		102	70-130		0.667	30	
Methylene chloride	50.6		"	50.0		101	57-141		1.84	30	
n-Butylbenzene	49.0		"	50.0		98.0	80-130		8.45	30	
n-Propylbenzene	49.9		"	50.0		99.8	74-136		8.86	30	
o-Xylene	53.7		"	50.0		107	83-123		0.446	30	
p- & m- Xylenes	108		"	100		108	82-128		0.517	30	
p-Isopropyltoluene	53.6		"	50.0		107	85-125		2.23	30	
sec-Butylbenzene	52.3		"	50.0		105	83-125		3.40	30	
Styrene	50.3		"	50.0		101	86-126		1.62	30	
tert-Butyl alcohol (TBA)	255		"	250		102	70-130		6.03	30	
tert-Butylbenzene	53.7		"	50.0		107	80-127		1.02	30	
Tetrachloroethylene	47.9		"	50.0		95.8	80-129		1.22	30	
Toluene	53.2		"	50.0		106	85-121		0.528	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	72-132		2.46	30	
trans-1,3-Dichloropropylene	48.0		"	50.0		96.0	78-132		2.00	30	
Trichloroethylene	53.8		"	50.0		108	84-123		0.242	30	
Trichlorofluoromethane	67.1		"	50.0		134	62-140		2.46	30	
Vinyl Chloride	62.6		"	50.0		125	52-130		1.82	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.0*		*"*	*50.0*		*106*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB22363 - EPA 3546 SVOA

Blank (BB22363-BLK1) Blank — Prepared & Analyzed: 02/22/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
Blank (BB22363-BLK1) Blank									Prepared & Analyzed: 02/22/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.810*		"	*1.66*		*48.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.719*		"	*1.66*		*43.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.436*		"	*0.831*		*52.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.422*		"	*0.831*		*50.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.969*		"	*1.66*		*58.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.413*		"	*0.831*		*49.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
LCS (BB22363-BS1) LCS							Prepared & Analyzed: 02/22/2022				
1,1-Biphenyl	0.542	0.0416	mg/kg wet	0.831		65.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.528	0.0830	"	0.831		63.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.385	0.0416	"	0.831		46.4	17-137				
2,3,4,6-Tetrachlorophenol	0.443	0.0830	"	0.831		53.3	30-130				
2,4,5-Trichlorophenol	0.512	0.0416	"	0.831		61.6	27-118				
2,4,6-Trichlorophenol	0.528	0.0416	"	0.831		63.6	31-120				
2,4-Dichlorophenol	0.511	0.0416	"	0.831		61.5	20-127				
2,4-Dimethylphenol	0.522	0.0416	"	0.831		62.9	14-132				
2,4-Dinitrophenol	0.244	0.0830	"	0.831		29.4	10-171				
2,4-Dinitrotoluene	0.589	0.0416	"	0.831		70.9	34-131				
2,6-Dinitrotoluene	0.562	0.0416	"	0.831		67.6	31-128				
2-Chloronaphthalene	0.480	0.0416	"	0.831		57.8	31-117				
2-Chlorophenol	0.503	0.0416	"	0.831		60.6	33-113				
2-Methylnaphthalene	0.528	0.0416	"	0.831		63.6	12-138				
2-Methylphenol	0.444	0.0416	"	0.831		53.4	10-136				
2-Nitroaniline	0.589	0.0830	"	0.831		70.9	27-132				
2-Nitrophenol	0.482	0.0416	"	0.831		58.0	17-129				
3- & 4-Methylphenols	0.423	0.0416	"	0.831		51.0	29-103				
3,3-Dichlorobenzidine	0.324	0.0416	"	0.831		39.0	22-149				
3-Nitroaniline	0.447	0.0830	"	0.831		53.8	20-133				
4,6-Dinitro-2-methylphenol	0.417	0.0830	"	0.831		50.2	10-143				
4-Bromophenyl phenyl ether	0.518	0.0416	"	0.831		62.4	29-120				
4-Chloro-3-methylphenol	0.524	0.0416	"	0.831		63.0	24-129				
4-Chloroaniline	0.389	0.0416	"	0.831		46.8	10-132				
4-Chlorophenyl phenyl ether	0.515	0.0416	"	0.831		62.0	27-124				
4-Nitroaniline	0.456	0.0830	"	0.831		54.9	16-128				
4-Nitrophenol	0.534	0.0830	"	0.831		64.3	10-141				
Acenaphthene	0.518	0.0416	"	0.831		62.4	30-121				
Acenaphthylene	0.474	0.0416	"	0.831		57.1	30-115				
Acetophenone	0.444	0.0416	"	0.831		53.5	20-112				
Aniline	0.321	0.166	"	0.831		38.6	10-119				
Anthracene	0.495	0.0416	"	0.831		59.6	34-118				
Atrazine	0.432	0.0416	"	0.831		52.0	26-112				
Benzaldehyde	0.423	0.0416	"	0.831		50.9	21-100				
Benzo(a)anthracene	0.500	0.0416	"	0.831		60.2	32-122				
Benzo(a)pyrene	0.464	0.0416	"	0.831		55.8	29-133				
Benzo(b)fluoranthene	0.489	0.0416	"	0.831		58.9	25-133				
Benzo(g,h,i)perylene	0.447	0.0416	"	0.831		53.8	10-143				
Benzo(k)fluoranthene	0.484	0.0416	"	0.831		58.3	25-128				
Benzoic acid	0.304	0.0416	"	0.831		36.6	10-140				
Benzyl alcohol	0.470	0.0416	"	0.831		56.6	30-115				
Benzyl butyl phthalate	0.523	0.0416	"	0.831		63.0	26-126				
Bis(2-chloroethoxy)methane	0.433	0.0416	"	0.831		52.2	19-132				
Bis(2-chloroethyl)ether	0.457	0.0416	"	0.831		55.1	19-125				
Bis(2-chloroisopropyl)ether	0.398	0.0416	"	0.831		47.9	20-135				
Bis(2-ethylhexyl)phthalate	0.470	0.0416	"	0.831		56.6	10-155				
Caprolactam	0.422	0.0830	"	0.831		50.8	10-127				
Carbazole	0.493	0.0416	"	0.831		59.3	35-123				
Chrysene	0.463	0.0416	"	0.831		55.8	32-123				
Dibenzo(a,h)anthracene	0.474	0.0416	"	0.831		57.1	10-136				
Dibenzofuran	0.534	0.0416	"	0.831		64.2	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
LCS (BB22363-BS1) LCS							Prepared & Analyzed: 02/22/2022				
Diethyl phthalate	0.529	0.0416	mg/kg wet	0.831		63.7	34-116				
Dimethyl phthalate	0.486	0.0416	"	0.831		58.5	35-124				
Di-n-butyl phthalate	0.513	0.0416	"	0.831		61.8	31-116				
Di-n-octyl phthalate	0.453	0.0416	"	0.831		54.6	26-136				
Diphenylamine	0.547	0.0830	"	0.831		65.8	40-140				
Fluoranthene	0.514	0.0416	"	0.831		61.9	33-122				
Fluorene	0.555	0.0416	"	0.831		66.9	29-123				
Hexachlorobenzene	0.471	0.0416	"	0.831		56.7	21-124				
Hexachlorobutadiene	0.649	0.0416	"	0.831		78.1	10-149				
Hexachlorocyclopentadiene	0.181	0.0416	"	0.831		21.8	10-129				
Hexachloroethane	0.383	0.0416	"	0.831		46.2	28-108				
Indeno(1,2,3-cd)pyrene	0.461	0.0416	"	0.831		55.5	10-135				
Isophorone	0.483	0.0416	"	0.831		58.2	20-132				
Naphthalene	0.503	0.0416	"	0.831		60.6	23-124				
Nitrobenzene	0.525	0.0416	"	0.831		63.2	13-132				
N-Nitrosodimethylamine	0.386	0.0416	"	0.831		46.5	11-129				
N-nitroso-di-n-propylamine	0.412	0.0416	"	0.831		49.6	24-119				
N-Nitrosodiphenylamine	0.552	0.0416	"	0.831		66.5	22-152				
Pentachlorophenol	0.260	0.0416	"	0.831		31.4	10-139				
Phenanthrene	0.490	0.0416	"	0.831		59.0	33-123				
Phenol	0.524	0.0416	"	0.831		63.1	23-115				
Pyrene	0.491	0.0416	"	0.831		59.1	24-130				
Pyridine	0.431	0.166	"	0.831		51.9	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.02*		"	*1.66*		*61.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.997*		"	*1.66*		*60.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.483*		"	*0.831*		*58.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.500*		"	*0.831*		*60.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.04*		"	*1.66*		*62.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.521*		"	*0.831*		*62.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
Matrix Spike (BB22363-MS1) Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)							Prepared: 02/22/2022 Analyzed: 02/23/2022			
1,1-Biphenyl	0.817	0.104	mg/kg dry	1.04	ND	78.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.757	0.208	"	1.04	ND	72.6	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.596	0.104	"	1.04	ND	57.2	10-144				
2,3,4,6-Tetrachlorophenol	0.762	0.208	"	1.04	ND	73.1	30-130				
2,4,5-Trichlorophenol	0.807	0.104	"	1.04	ND	77.5	10-127				
2,4,6-Trichlorophenol	0.717	0.104	"	1.04	ND	68.8	10-132				
2,4-Dichlorophenol	0.819	0.104	"	1.04	ND	78.6	10-128				
2,4-Dimethylphenol	0.718	0.104	"	1.04	ND	69.0	10-137				
2,4-Dinitrophenol	ND	0.208	"	1.04	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.916	0.104	"	1.04	ND	87.9	16-135				
2,6-Dinitrotoluene	0.760	0.104	"	1.04	ND	73.0	18-131				
2-Chloronaphthalene	0.712	0.104	"	1.04	ND	68.4	10-129				
2-Chlorophenol	0.736	0.104	"	1.04	ND	70.6	15-116				
2-Methylnaphthalene	0.827	0.104	"	1.04	ND	79.4	10-147				
2-Methylphenol	0.646	0.104	"	1.04	ND	62.0	10-136				
2-Nitroaniline	0.896	0.208	"	1.04	ND	86.0	10-137				
2-Nitrophenol	0.614	0.104	"	1.04	ND	59.0	10-129				
3- & 4-Methylphenols	0.623	0.104	"	1.04	ND	59.8	10-123				
3,3-Dichlorobenzidine	0.357	0.104	"	1.04	ND	34.3	10-155				
3-Nitroaniline	0.797	0.208	"	1.04	ND	76.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.208	"	1.04	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.739	0.104	"	1.04	ND	71.0	14-128				
4-Chloro-3-methylphenol	0.792	0.104	"	1.04	ND	76.0	10-134				
4-Chloroaniline	0.616	0.104	"	1.04	ND	59.1	10-145				
4-Chlorophenyl phenyl ether	0.821	0.104	"	1.04	ND	78.8	14-130				
4-Nitroaniline	0.785	0.208	"	1.04	ND	75.4	10-147				
4-Nitrophenol	0.506	0.208	"	1.04	ND	48.6	10-137				
Acenaphthene	0.838	0.104	"	1.04	0.0727	73.5	10-146				
Acenaphthylene	0.871	0.104	"	1.04	0.668	19.4	10-134				
Acetophenone	0.682	0.104	"	1.04	ND	65.5	10-116				
Aniline	0.458	0.417	"	1.04	ND	44.0	10-123				
Anthracene	0.936	0.104	"	1.04	0.469	44.8	10-142				
Atrazine	0.677	0.104	"	1.04	ND	65.0	19-115				
Benzaldehyde	0.787	0.104	"	1.04	ND	75.5	10-125				
Benzo(a)anthracene	1.30	0.104	"	1.04	1.92	NR	10-158	Low Bias			
Benzo(a)pyrene	0.967	0.104	"	1.04	1.55	NR	10-180	Low Bias			
Benzo(b)fluoranthene	0.906	0.104	"	1.04	1.25	NR	10-200	Low Bias			
Benzo(g,h,i)perylene	0.894	0.104	"	1.04	0.947	NR	10-138	Low Bias			
Benzo(k)fluoranthene	0.971	0.104	"	1.04	1.36	NR	10-197	Low Bias			
Benzoic acid	ND	0.104	"	1.04	ND		10-166	Low Bias			
Benzyl alcohol	0.622	0.104	"	1.04	ND	59.8	12-124				
Benzyl butyl phthalate	0.699	0.104	"	1.04	ND	67.1	10-154				
Bis(2-chloroethoxy)methane	0.635	0.104	"	1.04	ND	61.0	10-132				
Bis(2-chloroethyl)ether	0.684	0.104	"	1.04	ND	65.7	10-119				
Bis(2-chloroisopropyl)ether	0.524	0.104	"	1.04	ND	50.3	10-139				
Bis(2-ethylhexyl)phthalate	0.671	0.104	"	1.04	ND	64.4	10-167				
Caprolactam	0.621	0.208	"	1.04	ND	59.6	10-132				
Carbazole	0.793	0.104	"	1.04	0.0890	67.6	10-167				
Chrysene	1.23	0.104	"	1.04	1.73	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	0.832	0.104	"	1.04	0.407	40.9	10-137				
Dibenzofuran	0.812	0.104	"	1.04	0.0662	71.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
Matrix Spike (BB22363-MS1) Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)							Prepared: 02/22/2022 Analyzed: 02/23/2022			
Diethyl phthalate	0.736	0.104	mg/kg dry	1.04	ND	70.6	20-120				
Dimethyl phthalate	0.683	0.104	"	1.04	ND	65.6	18-131				
Di-n-butyl phthalate	0.709	0.104	"	1.04	ND	68.1	10-137				
Di-n-octyl phthalate	0.598	0.104	"	1.04	ND	57.4	10-180				
Diphenylamine	0.752	0.208	"	1.04	ND	72.2	40-140				
Fluoranthene	2.04	0.104	"	1.04	4.53	NR	10-160	Low Bias			
Fluorene	0.894	0.104	"	1.04	0.168	69.7	10-157				
Hexachlorobenzene	0.757	0.104	"	1.04	ND	72.7	10-137				
Hexachlorobutadiene	0.753	0.104	"	1.04	ND	72.3	10-132				
Hexachlorocyclopentadiene	ND	0.104	"	1.04	ND		10-106	Low Bias			
Hexachloroethane	0.520	0.104	"	1.04	ND	49.9	10-110				
Indeno(1,2,3-cd)pyrene	0.923	0.104	"	1.04	0.920	0.321	10-144	Low Bias			
Isophorone	0.683	0.104	"	1.04	ND	65.6	10-132				
Naphthalene	0.753	0.104	"	1.04	0.149	58.0	10-141				
Nitrobenzene	0.772	0.104	"	1.04	ND	74.1	10-131				
N-Nitrosodimethylamine	0.426	0.104	"	1.04	ND	40.9	10-126				
N-nitroso-di-n-propylamine	0.558	0.104	"	1.04	ND	53.6	10-125				
N-Nitrosodiphenylamine	0.868	0.104	"	1.04	ND	83.4	10-177				
Pentachlorophenol	0.215	0.104	"	1.04	ND	20.6	10-153				
Phenanthrene	1.24	0.104	"	1.04	0.961	27.0	10-148				
Phenol	0.724	0.104	"	1.04	ND	69.5	10-126				
Pyrene	1.97	0.104	"	1.04	3.74	NR	10-165	Low Bias			
Pyridine	0.559	0.417	"	1.04	ND	53.7	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.22*		*"*	*2.08*		*58.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		*"*	*2.08*		*57.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.772*		*"*	*1.04*		*74.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.717*		*"*	*1.04*		*68.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.38*		*"*	*2.08*		*66.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.839*		*"*	*1.04*		*80.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
Matrix Spike Dup (BB22363-M Matrix Spike Dup	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
1,1-Biphenyl	0.702	0.104	mg/kg dry	1.04	ND	67.4	10-130		15.1	30	
1,2,4,5-Tetrachlorobenzene	0.808	0.208	"	1.04	ND	77.6	10-133		6.60	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.515	0.104	"	1.04	ND	49.4	10-144		14.6	30	
2,3,4,6-Tetrachlorophenol	0.631	0.208	"	1.04	ND	60.6	30-130		18.8	30	
2,4,5-Trichlorophenol	0.661	0.104	"	1.04	ND	63.4	10-127		20.0	30	
2,4,6-Trichlorophenol	0.667	0.104	"	1.04	ND	64.1	10-132		7.10	30	
2,4-Dichlorophenol	0.778	0.104	"	1.04	ND	74.7	10-128		5.11	30	
2,4-Dimethylphenol	0.607	0.104	"	1.04	ND	58.3	10-137		16.7	30	
2,4-Dinitrophenol	ND	0.208	"	1.04	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.739	0.104	"	1.04	ND	71.0	16-135		21.3	30	
2,6-Dinitrotoluene	0.670	0.104	"	1.04	ND	64.3	18-131		12.6	30	
2-Chloronaphthalene	0.641	0.104	"	1.04	ND	61.5	10-129		10.6	30	
2-Chlorophenol	0.683	0.104	"	1.04	ND	65.6	15-116		7.40	30	
2-Methylnaphthalene	0.742	0.104	"	1.04	ND	71.2	10-147		10.9	30	
2-Methylphenol	0.769	0.104	"	1.04	ND	73.8	10-136		17.4	30	
2-Nitroaniline	0.842	0.208	"	1.04	ND	80.8	10-137		6.24	30	
2-Nitrophenol	0.611	0.104	"	1.04	ND	58.6	10-129		0.544	30	
3- & 4-Methylphenols	0.723	0.104	"	1.04	ND	69.4	10-123		14.9	30	
3,3-Dichlorobenzidine	0.287	0.104	"	1.04	ND	27.6	10-155		21.7	30	
3-Nitroaniline	0.781	0.208	"	1.04	ND	75.0	12-133		2.11	30	
4,6-Dinitro-2-methylphenol	ND	0.208	"	1.04	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.724	0.104	"	1.04	ND	69.5	14-128		2.05	30	
4-Chloro-3-methylphenol	0.792	0.104	"	1.04	ND	76.0	10-134		0.00	30	
4-Chloroaniline	0.560	0.104	"	1.04	ND	53.8	10-145		9.50	30	
4-Chlorophenyl phenyl ether	0.759	0.104	"	1.04	ND	72.9	14-130		7.81	30	
4-Nitroaniline	0.758	0.208	"	1.04	ND	72.8	10-147		3.46	30	
4-Nitrophenol	0.546	0.208	"	1.04	ND	52.4	10-137		7.61	30	
Acenaphthene	0.782	0.104	"	1.04	0.0727	68.1	10-146		6.89	30	
Acenaphthylene	0.807	0.104	"	1.04	0.668	13.4	10-134		7.55	30	
Acetophenone	0.730	0.104	"	1.04	ND	70.1	10-116		6.73	30	
Aniline	0.567	0.417	"	1.04	ND	54.4	10-123		21.1	30	
Anthracene	0.891	0.104	"	1.04	0.469	40.5	10-142		4.93	30	
Atrazine	0.643	0.104	"	1.04	ND	61.8	19-115		5.05	30	
Benzaldehyde	0.752	0.104	"	1.04	ND	72.2	10-125		4.55	30	
Benzo(a)anthracene	1.24	0.104	"	1.04	1.92	NR	10-158	Low Bias	4.99	30	
Benzo(a)pyrene	0.956	0.104	"	1.04	1.55	NR	10-180	Low Bias	1.13	30	
Benzo(b)fluoranthene	1.03	0.104	"	1.04	1.25	NR	10-200	Low Bias	12.3	30	
Benzo(g,h,i)perylene	0.879	0.104	"	1.04	0.947	NR	10-138	Low Bias	1.69	30	
Benzo(k)fluoranthene	0.990	0.104	"	1.04	1.36	NR	10-197	Low Bias	1.95	30	
Benzoic acid	0.0800	0.104	"	1.04	ND	7.68	10-166	Low Bias		30	
Benzyl alcohol	0.677	0.104	"	1.04	ND	65.0	12-124		8.34	30	
Benzyl butyl phthalate	0.745	0.104	"	1.04	ND	71.5	10-154		6.35	30	
Bis(2-chloroethoxy)methane	0.583	0.104	"	1.04	ND	56.0	10-132		8.48	30	
Bis(2-chloroethyl)ether	0.705	0.104	"	1.04	ND	67.7	10-119		3.00	30	
Bis(2-chloroisopropyl)ether	0.637	0.104	"	1.04	ND	61.2	10-139		19.5	30	
Bis(2-ethylhexyl)phthalate	0.632	0.104	"	1.04	ND	60.7	10-167		5.88	30	
Caprolactam	0.678	0.208	"	1.04	ND	65.1	10-132		8.85	30	
Carbazole	0.700	0.104	"	1.04	0.0890	58.7	10-167		12.5	30	
Chrysene	1.22	0.104	"	1.04	1.73	NR	10-156	Low Bias	1.50	30	
Dibenzo(a,h)anthracene	0.717	0.104	"	1.04	0.407	29.8	10-137		14.8	30	
Dibenzofuran	0.726	0.104	"	1.04	0.0662	63.3	10-147		11.3	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22363 - EPA 3546 SVOA											
Matrix Spike Dup (BB22363-M Matrix Spike Dup	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
Diethyl phthalate	0.669	0.104	mg/kg dry	1.04	ND	64.2	20-120		9.49	30	
Dimethyl phthalate	0.637	0.104	"	1.04	ND	61.2	18-131		6.94	30	
Di-n-butyl phthalate	0.649	0.104	"	1.04	ND	62.3	10-137		8.83	30	
Di-n-octyl phthalate	0.554	0.104	"	1.04	ND	53.2	10-180		7.66	30	
Diphenylamine	0.776	0.208	"	1.04	ND	74.5	40-140		3.16	30	
Fluoranthene	1.91	0.104	"	1.04	4.53	NR	10-160	Low Bias	6.68	30	
Fluorene	0.887	0.104	"	1.04	0.168	69.0	10-157		0.748	30	
Hexachlorobenzene	0.667	0.104	"	1.04	ND	64.1	10-137		12.6	30	
Hexachlorobutadiene	0.784	0.104	"	1.04	ND	75.3	10-132		4.01	30	
Hexachlorocyclopentadiene	ND	0.104	"	1.04	ND		10-106	Low Bias		30	
Hexachloroethane	0.542	0.104	"	1.04	ND	52.0	10-110		4.08	30	
Indeno(1,2,3-cd)pyrene	0.910	0.104	"	1.04	0.920	NR	10-144	Low Bias	1.45	30	
Isophorone	0.595	0.104	"	1.04	ND	57.1	10-132		13.8	30	
Naphthalene	0.655	0.104	"	1.04	0.149	48.5	10-141		14.0	30	
Nitrobenzene	0.723	0.104	"	1.04	ND	69.4	10-131		6.47	30	
N-Nitrosodimethylamine	0.487	0.104	"	1.04	ND	46.7	10-126		13.3	30	
N-nitroso-di-n-propylamine	0.587	0.104	"	1.04	ND	56.4	10-125		5.09	30	
N-Nitrosodiphenylamine	0.706	0.104	"	1.04	ND	67.8	10-177		20.6	30	
Pentachlorophenol	0.237	0.104	"	1.04	ND	22.8	10-153		9.94	30	
Phenanthrene	1.10	0.104	"	1.04	0.961	13.7	10-148		11.9	30	
Phenol	0.798	0.104	"	1.04	ND	76.6	10-126		9.74	30	
Pyrene	1.94	0.104	"	1.04	3.74	NR	10-165	Low Bias	1.32	30	
Pyridine	0.611	0.417	"	1.04	ND	58.6	10-83		8.83	30	
Surrogate: SURR: 2-Fluorophenol	*1.26*		*"*	*2.08*		*60.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.39*		*"*	*2.08*		*66.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.684*		*"*	*1.04*		*65.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.599*		*"*	*1.04*		*57.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.42*		*"*	*2.08*		*68.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.781*		*"*	*1.04*		*75.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Blank (BB22366-BLK1) Blank									Prepared & Analyzed: 02/22/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Blank (BB22366-BLK1) Blank									Prepared & Analyzed: 02/22/2022		
Surrogate: SURR: 2-Fluorophenol	*14.4*		*ug/L*	*50.0*		*28.7*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.69*		*"*	*50.0*		*15.4*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*14.6*		*"*	*25.0*		*58.2*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.8*		*"*	*25.0*		*63.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*48.4*		*"*	*50.0*		*96.7*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.5*		*"*	*25.0*		*70.2*	*30.7-106*				
Blank (BB22366-BLK2) Blank									Prepared & Analyzed: 02/22/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Blank (BB22366-BLK2) Blank									Prepared & Analyzed: 02/22/2022		
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
LCS (BB22366-BS1) LCS							Prepared & Analyzed: 02/22/2022				
1,1-Biphenyl	16.2	5.00	ug/L	25.0		64.7	33-95				
1,2,4,5-Tetrachlorobenzene	15.6	5.00	"	25.0		62.3	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	12.3	5.00	"	25.0		49.0	16-141				
2,3,4,6-Tetrachlorophenol	15.6	5.00	"	25.0		62.3	30-130				
2,4,5-Trichlorophenol	19.4	5.00	"	25.0		77.4	32-114				
2,4,6-Trichlorophenol	17.3	5.00	"	25.0		69.2	35-118				
2,4-Dichlorophenol	15.4	5.00	"	25.0		61.7	25-116				
2,4-Dimethylphenol	12.7	5.00	"	25.0		50.9	15-116				
2,4-Dinitrophenol	ND	5.00	"	25.0			10-170	Low Bias			
2,4-Dinitrotoluene	19.2	5.00	"	25.0		76.7	41-128				
2,6-Dinitrotoluene	17.6	5.00	"	25.0		70.4	45-116				
2-Chloronaphthalene	15.6	5.00	"	25.0		62.4	33-112				
2-Chlorophenol	12.1	5.00	"	25.0		48.2	15-120				
2-Methylnaphthalene	14.0	5.00	"	25.0		55.8	24-118				
2-Methylphenol	10.7	5.00	"	25.0		42.7	10-110				
2-Nitroaniline	18.0	5.00	"	25.0		72.1	34-129				
2-Nitrophenol	16.2	5.00	"	25.0		64.8	28-118				
3- & 4-Methylphenols	8.39	5.00	"	25.0		33.6	10-107				
3,3-Dichlorobenzidine	23.5	5.00	"	25.0		94.1	15-187				
3-Nitroaniline	18.8	5.00	"	25.0		75.1	24-134				
4,6-Dinitro-2-methylphenol	5.60	5.00	"	25.0		22.4	10-153				
4-Bromophenyl phenyl ether	15.9	5.00	"	25.0		63.4	34-120				
4-Chloro-3-methylphenol	14.2	5.00	"	25.0		56.7	20-120				
4-Chloroaniline	13.5	5.00	"	25.0		54.2	10-147				
4-Chlorophenyl phenyl ether	13.9	5.00	"	25.0		55.6	27-121				
4-Nitroaniline	16.6	5.00	"	25.0		66.5	13-134				
4-Nitrophenol	6.63	5.00	"	25.0		26.5	10-131				
Acetophenone	13.5	5.00	"	25.0		54.2	25-110				
Aniline	11.0	5.00	"	25.0		44.1	10-117				
Benzaldehyde	13.9	5.00	"	25.0		55.5	29-117				
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias			
Benzyl alcohol	9.49	5.00	"	25.0		38.0	10-117				
Benzyl butyl phthalate	9.58	5.00	"	25.0		38.3	29-133				
Bis(2-chloroethoxy)methane	13.7	5.00	"	25.0		54.6	10-154				
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0		48.2	17-125				
Bis(2-chloroisopropyl)ether	9.32	5.00	"	25.0		37.3	10-139				
Caprolactam	3.86	5.00	"	25.0		15.4	10-137				
Carbazole	16.5	5.00	"	25.0		66.0	42-126				
Dibenzofuran	14.9	5.00	"	25.0		59.6	36-113				
Diethyl phthalate	13.9	5.00	"	25.0		55.6	38-115				
Dimethyl phthalate	14.6	5.00	"	25.0		58.3	38-129				
Di-n-butyl phthalate	10.4	5.00	"	25.0		41.8	31-120				
Di-n-octyl phthalate	16.8	5.00	"	25.0		67.0	21-149				
Diphenylamine	17.5	5.00	"	25.0		70.0	40-140				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	13.0	5.00	"	25.0		52.1	25-127				
N-nitroso-di-n-propylamine	10.7	5.00	"	25.0		42.9	26-122				
N-Nitrosodiphenylamine	16.7	5.00	"	25.0		66.6	23-149				
Phenol	4.56	5.00	"	25.0		18.2	10-110				
Pyridine	10.2	5.00	"	25.5		40.0	10-90				
Surrogate: SURR: 2-Fluorophenol	*14.4*		*"*	*50.0*		*28.7*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
LCS (BB22366-BS1) LCS							Prepared & Analyzed: 02/22/2022				
Surrogate: SURR: Phenol-d5	*8.23*		*ug/L*	*50.0*		*16.5*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.7*		*"*	*25.0*		*54.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.3*		*"*	*25.0*		*65.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*46.7*		*"*	*50.0*		*93.4*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*10.7*		*"*	*25.0*		*43.0*	*30.7-106*				
LCS (BB22366-BS2) LCS							Prepared & Analyzed: 02/22/2022				
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.700	0.0500	"	1.00		70.0	25-116				
Acenaphthylene	0.760	0.0500	"	1.00		76.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.720	0.0500	"	1.00		72.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.770	0.0500	"	1.00		77.0	33-125				
Benzo(a)pyrene	0.740	0.0500	"	1.00		74.0	32-132				
Benzo(b)fluoranthene	0.780	0.0500	"	1.00		78.0	22-137				
Benzo(g,h,i)perylene	0.850	0.0500	"	1.00		85.0	10-138				
Benzo(k)fluoranthene	0.760	0.0500	"	1.00		76.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
LCS (BB22366-BS2) LCS							Prepared & Analyzed: 02/22/2022				
Bis(2-ethylhexyl)phthalate	0.790	0.500	ug/L	1.00		79.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.880	0.0500	"	1.00		88.0	32-124				
Dibenzo(a,h)anthracene	0.910	0.0500	"	1.00		91.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.820	0.0500	"	1.00		82.0	32-121				
Fluorene	0.810	0.0500	"	1.00		81.0	28-118				
Hexachlorobenzene	0.720	0.0200	"	1.00		72.0	23-124				
Hexachlorobutadiene	0.820	0.500	"	1.00		82.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.680	0.500	"	1.00		68.0	18-115				
Indeno(1,2,3-cd)pyrene	0.780	0.0500	"	1.00		78.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.980	0.0500	"	1.00		98.0	18-120				
Nitrobenzene	0.890	0.250	"	1.00		89.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.660	0.250	"	1.00		66.0	10-156				
Phenanthrene	0.720	0.0500	"	1.00		72.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.740	0.0500	"	1.00		74.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Matrix Spike (BB22366-MS1) Matrix Spike	*Source sample: 22B0964-04 (Matrix Spike)							Prepared & Analyzed: 02/22/2022			
1,1-Biphenyl	18.9	5.00	ug/L	25.0	ND	75.8	26-79				
1,2,4,5-Tetrachlorobenzene	14.0	5.00	"	25.0	ND	55.9	33-90				
1,2-Diphenylhydrazine (as Azobenzene)	154	5.00	"	25.0	ND	616	21-107	High Bias			
2,3,4,6-Tetrachlorophenol	20.6	5.00	"	25.0	ND	82.2	30-130				
2,4,5-Trichlorophenol	16.8	5.00	"	25.0	ND	67.4	43-96				
2,4,6-Trichlorophenol	16.7	5.00	"	25.0	ND	66.9	46-94				
2,4-Dichlorophenol	12.9	5.00	"	25.0	ND	51.5	26-101				
2,4-Dimethylphenol	36.7	5.00	"	25.0	20.3	65.5	10-104				
2,4-Dinitrophenol	6.25	5.00	"	25.0	ND	25.0	10-146				
2,4-Dinitrotoluene	17.2	5.00	"	25.0	ND	68.7	30-108				
2,6-Dinitrotoluene	17.7	5.00	"	25.0	ND	71.0	38-98				
2-Chloronaphthalene	15.0	5.00	"	25.0	ND	59.8	30-89				
2-Chlorophenol	14.4	5.00	"	25.0	ND	57.5	24-98				
2-Methylnaphthalene	24.3	5.00	"	25.0	10.5	55.2	10-112				
2-Methylphenol	22.8	5.00	"	25.0	7.84	59.6	10-134				
2-Nitroaniline	22.7	5.00	"	25.0	ND	90.8	25-110				
2-Nitrophenol	14.0	5.00	"	25.0	ND	56.2	10-139				
3- & 4-Methylphenols	32.6	5.00	"	25.0	16.5	64.5	10-91				
3,3-Dichlorobenzidine	ND	5.00	"	25.0	ND		10-140	Low Bias			
3-Nitroaniline	13.4	5.00	"	25.0	ND	53.5	22-111				
4,6-Dinitro-2-methylphenol	6.10	5.00	"	25.0	ND	24.4	10-140				
4-Bromophenyl phenyl ether	12.9	5.00	"	25.0	ND	51.5	30-108				
4-Chloro-3-methylphenol	17.2	5.00	"	25.0	ND	68.8	11-109				
4-Chloroaniline	5.99	5.00	"	25.0	ND	24.0	10-116				
4-Chlorophenyl phenyl ether	15.3	5.00	"	25.0	ND	61.1	39-85				
4-Nitroaniline	18.8	5.00	"	25.0	ND	75.4	11-132				
4-Nitrophenol	11.7	5.00	"	25.0	ND	46.8	10-82				
Acetophenone	18.6	5.00	"	25.0	ND	74.6	14-102				
Aniline	5.68	5.00	"	25.0	ND	22.7	10-80				
Benzaldehyde	22.0	5.00	"	25.0	10.5	45.9	13-87				
Benzoic acid	62.6	5.00	"	25.0	43.3	77.5	10-162				
Benzyl alcohol	46.5	5.00	"	25.0	28.2	73.0	10-102				
Benzyl butyl phthalate	18.0	5.00	"	25.0	ND	71.9	10-133				
Bis(2-chloroethoxy)methane	14.5	5.00	"	25.0	ND	58.0	18-105				
Bis(2-chloroethyl)ether	16.3	5.00	"	25.0	ND	65.1	10-108				
Bis(2-chloroisopropyl)ether	18.6	5.00	"	25.0	ND	74.4	13-116				
Caprolactam	ND	5.00	"	25.0	ND		10-75	Low Bias			
Carbazole	36.4	5.00	"	25.0	18.1	73.1	36-108				
Dibenzofuran	22.8	5.00	"	25.0	6.06	66.9	34-92				
Diethyl phthalate	16.9	5.00	"	25.0	ND	67.6	33-98				
Dimethyl phthalate	16.2	5.00	"	25.0	ND	64.9	18-116				
Di-n-butyl phthalate	18.7	5.00	"	25.0	ND	74.7	25-97				
Di-n-octyl phthalate	20.0	5.00	"	25.0	ND	80.2	10-137				
Diphenylamine	16.5	5.00	"	25.0	ND	66.1	40-140				
Hexachlorocyclopentadiene	ND	10.0	"	25.0	ND		10-79	Low Bias			
Isophorone	14.1	5.00	"	25.0	ND	56.5	25-103				
N-nitroso-di-n-propylamine	19.4	5.00	"	25.0	ND	77.5	19-115				
N-Nitrosodiphenylamine	18.4	5.00	"	25.0	ND	73.7	31-112				
Phenol	65.1	5.00	"	25.0	47.9	68.8	10-61	High Bias			
Pyridine	15.9	5.00	"	25.5	ND	62.2	10-78				
Surrogate: SURR: 2-Fluorophenol	*18.3*		*"*	*50.0*		*36.5*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Matrix Spike (BB22366-MS1) Matrix Spike	*Source sample: 22B0964-04 (Matrix Spike)								Prepared & Analyzed: 02/22/2022		
Surrogate: SURR: Phenol-d5	*11.8*		*ug/L*	*50.0*		*23.6*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.8*		*"*	*25.0*		*63.1*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.2*		*"*	*25.0*		*65.0*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*32.6*		*"*	*50.0*		*65.3*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*16.7*		*"*	*25.0*		*66.6*	*30.7-106*				
Matrix Spike Dup (BB22366-M Matrix Spike Dup	*Source sample: 22B0964-04 (Matrix Spike Dup)								Prepared & Analyzed: 02/22/2022		
1,1-Biphenyl	22.2	5.41	ug/L	27.0	ND	82.2	26-79	High Bias	15.9	25	
1,2,4,5-Tetrachlorobenzene	15.9	5.41	"	27.0	ND	58.9	33-90		12.9	25	
1,2-Diphenylhydrazine (as Azobenzene)	172	5.41	"	27.0	ND	635	21-107	High Bias	10.8	25	
2,3,4,6-Tetrachlorophenol	23.0	5.41	"	27.0	ND	85.0	30-130		11.2	25	
2,4,5-Trichlorophenol	18.7	5.41	"	27.0	ND	69.3	43-96		10.6	25	
2,4,6-Trichlorophenol	18.9	5.41	"	27.0	ND	69.9	46-94		12.2	25	
2,4-Dichlorophenol	14.3	5.41	"	27.0	ND	52.8	26-101		10.4	25	
2,4-Dimethylphenol	38.4	5.41	"	27.0	20.3	66.9	10-104		4.53	25	
2,4-Dinitrophenol	7.89	5.41	"	27.0	ND	29.2	10-146		23.2	25	
2,4-Dinitrotoluene	20.3	5.41	"	27.0	ND	75.2	30-108		16.7	25	
2,6-Dinitrotoluene	20.9	5.41	"	27.0	ND	77.3	38-98		16.3	25	
2-Chloronaphthalene	17.2	5.41	"	27.0	ND	63.8	30-89		14.2	25	
2-Chlorophenol	15.9	5.41	"	27.0	ND	58.8	24-98		9.99	25	
2-Methylnaphthalene	26.7	5.41	"	27.0	10.5	60.0	10-112		9.42	25	
2-Methylphenol	25.2	5.41	"	27.0	7.84	64.4	10-134		10.3	25	
2-Nitroaniline	25.2	5.41	"	27.0	ND	93.2	25-110		10.4	25	
2-Nitrophenol	16.1	5.41	"	27.0	ND	59.7	10-139		13.8	25	
3- & 4-Methylphenols	34.7	5.41	"	27.0	16.5	67.6	10-91		6.37	25	
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias		25	
3-Nitroaniline	14.8	5.41	"	27.0	ND	54.7	22-111		10.0	25	
4,6-Dinitro-2-methylphenol	6.76	5.41	"	27.0	ND	25.0	10-140		10.2	25	
4-Bromophenyl phenyl ether	14.5	5.41	"	27.0	ND	53.5	30-108		11.5	25	
4-Chloro-3-methylphenol	18.6	5.41	"	27.0	ND	68.8	11-109		7.79	25	
4-Chloroaniline	6.56	5.41	"	27.0	ND	24.3	10-116		9.12	25	
4-Chlorophenyl phenyl ether	17.3	5.41	"	27.0	ND	64.1	39-85		12.6	25	
4-Nitroaniline	21.3	5.41	"	27.0	ND	78.8	11-132		12.2	25	
4-Nitrophenol	12.4	5.41	"	27.0	ND	45.9	10-82		5.81	25	
Acetophenone	21.4	5.41	"	27.0	ND	79.2	14-102		13.8	25	
Aniline	5.28	5.41	"	27.0	ND	19.5	10-80		7.38	25	
Benzaldehyde	30.6	5.41	"	27.0	10.5	74.3	13-87		32.7	25	Non-dir.
Benzoic acid	69.5	5.41	"	27.0	43.3	97.0	10-162		10.4	25	
Benzyl alcohol	49.9	5.41	"	27.0	28.2	80.2	10-102		7.10	25	
Benzyl butyl phthalate	20.3	5.41	"	27.0	ND	75.3	10-133		12.3	25	
Bis(2-chloroethoxy)methane	16.3	5.41	"	27.0	ND	60.2	18-105		11.4	25	
Bis(2-chloroethyl)ether	18.4	5.41	"	27.0	ND	67.9	10-108		12.0	25	
Bis(2-chloroisopropyl)ether	21.1	5.41	"	27.0	ND	78.0	13-116		12.5	25	
Caprolactam	ND	5.41	"	27.0	ND		10-75	Low Bias		25	
Carbazole	41.5	5.41	"	27.0	18.1	86.6	36-108		13.2	25	
Dibenzofuran	25.7	5.41	"	27.0	6.06	72.7	34-92		12.1	25	
Diethyl phthalate	19.2	5.41	"	27.0	ND	71.0	33-98		12.6	25	
Dimethyl phthalate	18.3	5.41	"	27.0	ND	67.7	18-116		12.1	25	
Di-n-butyl phthalate	21.2	5.41	"	27.0	ND	78.5	25-97		12.7	25	
Di-n-octyl phthalate	22.7	5.41	"	27.0	ND	84.2	10-137		12.6	25	
Diphenylamine	18.6	5.41	"	27.0	ND	68.8	40-140		11.8	25	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22366 - EPA 3510C											
Matrix Spike Dup (BB22366-M Matrix Spike Dup	*Source sample: 22B0964-04 (Matrix Spike Dup)								Prepared & Analyzed: 02/22/2022		
Hexachlorocyclopentadiene	ND	10.8	ug/L	27.0	ND		10-79	Low Bias		25	
Isophorone	15.8	5.41	"	27.0	ND	58.5	25-103		11.3	25	
N-nitroso-di-n-propylamine	21.5	5.41	"	27.0	ND	79.7	19-115		10.6	25	
N-Nitrosodiphenylamine	20.7	5.41	"	27.0	ND	76.7	31-112		11.8	25	
Phenol	71.7	5.41	"	27.0	47.9	88.1	10-61	High Bias	9.63	25	
Pyridine	17.1	5.41	"	27.6	ND	62.0	10-78		7.35	25	
Surrogate: SURR: 2-Fluorophenol	*21.2*		*"*	*54.1*		*39.1*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*14.0*		*"*	*54.1*		*25.9*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*18.4*		*"*	*27.0*		*67.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.8*		*"*	*27.0*		*69.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*37.4*		*"*	*54.1*		*69.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.8*		*"*	*27.0*		*69.7*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22377 - EPA 3535A											
Blank (BB22377-BLK1) Blank								Prepared & Analyzed: 02/22/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.20*		*"*	*4.00*		*80.0*	*36.6-118*				
LCS (BB22377-BS1) LCS								Prepared & Analyzed: 02/22/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BB22377-MS1) Matrix Spike *Source sample: 22B0769-20 (Matrix Spike)								Prepared & Analyzed: 02/22/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00	ND	100	50-130				
Surrogate: 1,4-Dioxane-d8	*3.20*		*"*	*4.00*		*80.0*	*50-130*				
Matrix Spike Dup (BB22377-M Matrix Spike Dup *Source sample: 22B0769-20 (Matrix Spike Dup)								Prepared & Analyzed: 02/22/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00	ND	100	50-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*3.20*		*"*	*4.00*		*80.0*	*50-130*				
Batch BB22401 - EPA 3550C											
Blank (BB22401-BLK1) Blank								Prepared: 02/22/2022 Analyzed: 02/23/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*347*		*"*	*495*		*70.0*	*39-127.5*				
LCS (BB22401-BS1) LCS								Prepared: 02/22/2022 Analyzed: 02/23/2022			
1,4-Dioxane	557	19.8	ug/kg	495		113	40-130				
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*39-127.5*				
Matrix Spike (BB22401-MS1) Matrix Spike *Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022			
1,4-Dioxane	531	19.8	ug/kg	495	ND	107	40-130				
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22401 - EPA 3550C											
Matrix Spike Dup (BB22401-M Matrix Spike Dup	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
1,4-Dioxane	528	19.8	ug/kg	495	ND	107	40-130		0.561	30	
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22391 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB22391-BLK1) Blank									Prepared: 02/22/2022 Analyzed: 02/24/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.232	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.232	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.232	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.232	"								
Perfluorooctanoic acid (PFOA)	ND	0.232	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.232	"								
Perfluorononanoic acid (PFNA)	ND	0.232	"								
Perfluorodecanoic acid (PFDA)	ND	0.232	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.232	"								
Perfluorododecanoic acid (PFDoA)	ND	0.232	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.232	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.232	"								
N-MeFOSAA	ND	0.232	"								
N-EtFOSAA	ND	0.232	"								
Perfluoropentanoic acid (PFPeA)	ND	0.232	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.232	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.232	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.232	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.232	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.232	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.232	"								
Surrogate: M3PFBS	*3.66*		"	*4.32*		*84.8*	*25-150*				
Surrogate: M5PFHxA	*4.23*		"	*4.65*		*90.9*	*25-150*				
Surrogate: M4PFHpA	*3.42*		"	*4.65*		*73.5*	*25-150*				
Surrogate: M3PFHxS	*3.35*		"	*4.40*		*76.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.41*		"	*4.65*		*94.9*	*25-150*				
Surrogate: M6PFDA	*5.01*		"	*4.65*		*108*	*25-150*				
Surrogate: M7PFUdA	*3.15*		"	*4.65*		*67.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.81*		"	*4.65*		*60.4*	*25-150*				
Surrogate: M2PFTeDA	*1.63*		"	*4.65*		*35.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.51*		"	*4.65*		*75.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.39*		"	*4.45*		*76.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.86*		"	*4.65*		*83.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.86*		"	*4.65*		*61.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.59*		"	*4.65*		*77.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.94*		"	*4.65*		*84.8*	*25-150*				
Surrogate: M2-6:2 FTS	*4.91*		"	*4.41*		*111*	*25-200*				
Surrogate: M2-8:2 FTS	*6.35*		"	*4.45*		*143*	*25-200*				
Surrogate: M9PFNA	*3.69*		"	*4.65*		*79.3*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22391 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB22391-BS1) LCS								Prepared: 02/22/2022 Analyzed: 02/24/2022			
Perfluorobutanesulfonic acid (PFBS)	4.15	0.225	ug/kg wet	3.97		104	50-130				
Perfluorohexanoic acid (PFHxA)	3.89	0.225	"	4.49		86.6	50-130				
Perfluoroheptanoic acid (PFHpA)	3.98	0.225	"	4.49		88.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	2.95	0.225	"	4.09		72.2	50-130				
Perfluorooctanoic acid (PFOA)	3.86	0.225	"	4.49		86.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.21	0.225	"	4.15		101	50-130				
Perfluorononanoic acid (PFNA)	4.28	0.225	"	4.49		95.3	50-130				
Perfluorodecanoic acid (PFDA)	3.18	0.225	"	4.49		70.9	50-130				
Perfluoroundecanoic acid (PFUnA)	4.28	0.225	"	4.49		95.4	50-130				
Perfluorododecanoic acid (PFDoA)	4.03	0.225	"	4.49		89.7	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.62	0.225	"	4.49		80.6	50-130				
Perfluorotetradecanoic acid (PFTA)	3.97	0.225	"	4.49		88.5	50-130				
N-MeFOSAA	3.51	0.225	"	4.49		78.3	50-130				
N-EtFOSAA	3.45	0.225	"	4.49		76.9	50-130				
Perfluoropentanoic acid (PFPeA)	4.06	0.225	"	4.49		90.3	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	3.67	0.225	"	4.49		81.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.65	0.225	"	4.29		108	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.26	0.225	"	4.33		75.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.04	0.225	"	4.27		94.8	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.19	0.225	"	4.31		97.2	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.08	0.225	"	4.49		90.8	50-130				
Surrogate: M3PFBS	*3.59*		*"*	*4.17*		*85.9*	*25-150*				
Surrogate: M5PFHxA	*4.26*		*"*	*4.49*		*95.0*	*25-150*				
Surrogate: M4PFHpA	*4.22*		*"*	*4.49*		*94.1*	*25-150*				
Surrogate: M3PFHxS	*4.59*		*"*	*4.25*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.41*		*"*	*4.49*		*98.3*	*25-150*				
Surrogate: M6PFDA	*5.41*		*"*	*4.49*		*121*	*25-150*				
Surrogate: M7PFUdA	*3.77*		*"*	*4.49*		*83.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.37*		*"*	*4.49*		*75.1*	*25-150*				
Surrogate: M2PFTeDA	*2.53*		*"*	*4.49*		*56.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.97*		*"*	*4.49*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.91*		*"*	*4.30*		*91.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.07*		*"*	*4.49*		*90.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.68*		*"*	*4.49*		*82.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.13*		*"*	*4.49*		*114*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.49*		*"*	*4.49*		*122*	*25-150*				
Surrogate: M2-6:2 FTS	*4.72*		*"*	*4.26*		*111*	*25-200*				
Surrogate: M2-8:2 FTS	*3.85*		*"*	*4.30*		*89.4*	*25-200*				
Surrogate: M9PFNA	*4.11*		*"*	*4.49*		*91.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB22391 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB22391-MS1) Matrix Spike *Source sample: 22B0965-01 (EP33_6.0) Prepared: 02/22/2022 Analyzed: 02/24/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.27	0.273	ug/kg dry	4.84	ND	109	25-150				
Perfluorohexanoic acid (PFHxA)	4.53	0.273	"	5.46	ND	82.9	25-150				
Perfluoroheptanoic acid (PFHpA)	6.31	0.273	"	5.46	ND	116	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.22	0.273	"	4.97	ND	84.9	25-150				
Perfluorooctanoic acid (PFOA)	4.51	0.273	"	5.46	ND	82.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.94	0.273	"	5.06	ND	137	25-150				
Perfluorononanoic acid (PFNA)	4.47	0.273	"	5.46	ND	81.8	25-150				
Perfluorodecanoic acid (PFDA)	5.77	0.273	"	5.46	ND	106	25-150				
Perfluoroundecanoic acid (PFUnA)	5.29	0.273	"	5.46	ND	96.8	25-150				
Perfluorododecanoic acid (PFDoA)	5.28	0.273	"	5.46	ND	96.6	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.39	0.273	"	5.46	ND	80.3	25-150				
Perfluorotetradecanoic acid (PFTA)	5.21	0.273	"	5.46	ND	95.3	25-150				
N-MeFOSAA	5.65	0.273	"	5.46	ND	103	25-150				
N-EtFOSAA	5.30	0.273	"	5.46	ND	96.9	25-150				
Perfluoropentanoic acid (PFPeA)	5.14	0.273	"	5.46	ND	94.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.66	0.273	"	5.46	ND	104	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.42	0.273	"	5.22	ND	142	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.07	0.273	"	5.27	ND	77.2	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.27	0.273	"	5.19	ND	63.1	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.42	0.273	"	5.25	ND	84.3	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.09	0.273	"	5.46	ND	111	25-150				
Surrogate: M3PFBS	*3.71*		*"*	*5.08*		*73.0*	*25-150*				
Surrogate: M5PFHxA	*4.78*		*"*	*5.46*		*87.5*	*25-150*				
Surrogate: M4PFHpA	*3.74*		*"*	*5.46*		*68.4*	*25-150*				
Surrogate: M3PFHxS	*4.45*		*"*	*5.17*		*86.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.23*		*"*	*5.46*		*95.7*	*25-150*				
Surrogate: M6PFDA	*3.72*		*"*	*5.46*		*68.0*	*25-150*				
Surrogate: M7PFUdA	*3.67*		*"*	*5.46*		*67.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.34*		*"*	*5.46*		*61.2*	*25-150*				
Surrogate: M2PFTeDA	*2.69*		*"*	*5.46*		*49.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.79*		*"*	*5.46*		*69.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.98*		*"*	*5.23*		*76.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.98*		*"*	*5.46*		*72.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.30*		*"*	*5.46*		*60.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.87*		*"*	*5.46*		*89.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.98*		*"*	*5.46*		*109*	*25-150*				
Surrogate: M2-6:2 FTS	*7.34*		*"*	*5.19*		*142*	*25-200*				
Surrogate: M2-8:2 FTS	*6.62*		*"*	*5.24*		*126*	*25-200*				
Surrogate: M9PFNA	*5.18*		*"*	*5.46*		*94.8*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB22391 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB22391-M Matrix Spike Dup *Source sample: 22B0965-01 (EP33_6.0) Prepared: 02/22/2022 Analyzed: 02/24/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.54	0.293	ug/kg dry	5.19	ND	107	25-150		4.99	35	
Perfluorohexanoic acid (PFHxA)	5.41	0.293	"	5.86	ND	92.2	25-150		17.7	35	
Perfluoroheptanoic acid (PFHpA)	6.35	0.293	"	5.86	ND	108	25-150		0.606	35	
Perfluorohexanesulfonic acid (PFHxS)	4.25	0.293	"	5.34	ND	79.7	25-150		0.692	35	
Perfluorooctanoic acid (PFOA)	5.11	0.293	"	5.86	ND	87.1	25-150		12.5	35	
Perfluorooctanesulfonic acid (PFOS)	6.09	0.293	"	5.43	ND	112	25-150		13.0	35	
Perfluorononanoic acid (PFNA)	6.23	0.293	"	5.86	ND	106	25-150		33.0	35	
Perfluorodecanoic acid (PFDA)	5.33	0.293	"	5.86	ND	90.9	25-150		7.97	35	
Perfluoroundecanoic acid (PFUnA)	5.50	0.293	"	5.86	ND	93.8	25-150		3.95	35	
Perfluorododecanoic acid (PFDoA)	5.52	0.293	"	5.86	ND	94.1	25-150		4.42	35	
Perfluorotridecanoic acid (PFTrDA)	4.77	0.293	"	5.86	ND	81.3	25-150		8.23	35	
Perfluorotetradecanoic acid (PFTA)	5.84	0.293	"	5.86	ND	99.6	25-150		11.5	35	
N-MeFOSAA	5.34	0.293	"	5.86	ND	91.0	25-150		5.62	35	
N-EtFOSAA	4.96	0.293	"	5.86	ND	84.5	25-150		6.64	35	
Perfluoropentanoic acid (PFPeA)	5.61	0.293	"	5.86	ND	95.6	25-150		8.72	35	
Perfluoro-1-octanesulfonamide (FOSA)	6.04	0.293	"	5.86	ND	103	25-150		6.44	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.29	0.293	"	5.60	ND	112	25-150		16.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.94	0.293	"	5.66	ND	69.6	25-150		3.38	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.59	0.293	"	5.57	ND	64.4	25-200		9.13	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.18	0.293	"	5.63	ND	110	25-200		33.2	35	
Perfluoro-n-butanoic acid (PFBA)	5.96	0.293	"	5.86	ND	102	25-150		2.03	35	
Surrogate: M3PFBS	*4.38*		"	*5.45*		*80.3*	*25-150*				
Surrogate: M5PFHxA	*4.98*		"	*5.86*		*84.9*	*25-150*				
Surrogate: M4PFHpA	*4.06*		"	*5.86*		*69.2*	*25-150*				
Surrogate: M3PFHxS	*5.46*		"	*5.55*		*98.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.51*		"	*5.86*		*94.0*	*25-150*				
Surrogate: M6PFDA	*5.42*		"	*5.86*		*92.4*	*25-150*				
Surrogate: M7PFUdA	*4.26*		"	*5.86*		*72.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.78*		"	*5.86*		*64.4*	*25-150*				
Surrogate: M2PFTeDA	*2.80*		"	*5.86*		*47.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.31*		"	*5.86*		*73.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.07*		"	*5.61*		*90.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.56*		"	*5.86*		*77.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.60*		"	*5.86*		*61.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.99*		"	*5.86*		*102*	*25-150*				
Surrogate: d5-N-EtFOSAA	*6.62*		"	*5.86*		*113*	*25-150*				
Surrogate: M2-6:2 FTS	*8.98*		"	*5.57*		*161*	*25-200*				
Surrogate: M2-8:2 FTS	*7.08*		"	*5.62*		*126*	*25-200*				
Surrogate: M9PFNA	*4.97*		"	*5.86*		*84.7*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22467 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB22467-BLK1) Blank									Prepared & Analyzed: 02/23/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*70.4*		"	*74.3*		*94.8*	*25-150*				
Surrogate: M5PFHxA	*78.6*		"	*80.0*		*98.3*	*25-150*				
Surrogate: M4PFHpA	*77.0*		"	*80.0*		*96.3*	*25-150*				
Surrogate: M3PFHxS	*80.3*		"	*75.7*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*75.8*		"	*80.0*		*94.7*	*25-150*				
Surrogate: M6PFDA	*90.2*		"	*80.0*		*113*	*25-150*				
Surrogate: M7PFUdA	*83.1*		"	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.0*		"	*80.0*		*100*	*25-150*				
Surrogate: M2PFTeDA	*68.2*		"	*80.0*		*85.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.6*		"	*80.0*		*93.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.6*		"	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.2*		"	*80.0*		*96.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.9*		"	*80.0*		*62.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*82.6*		"	*80.0*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*91.5*		"	*80.0*		*114*	*25-150*				
Surrogate: M2-6:2 FTS	*86.4*		"	*75.9*		*114*	*25-200*				
Surrogate: M2-8:2 FTS	*73.5*		"	*76.6*		*95.9*	*25-200*				
Surrogate: M9PFNA	*81.4*		"	*80.0*		*102*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22467 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB22467-BS1) LCS							Prepared & Analyzed: 02/23/2022				
Perfluorobutanesulfonic acid (PFBS)	76.6	2.00	ng/L	70.8		108	50-130				
Perfluorohexanoic acid (PFHxA)	77.2	2.00	"	80.0		96.6	50-130				
Perfluoroheptanoic acid (PFHpA)	85.0	2.00	"	80.0		106	50-130				
Perfluorohexanesulfonic acid (PFHxS)	74.0	2.00	"	72.8		102	50-130				
Perfluorooctanoic acid (PFOA)	85.6	2.00	"	80.0		107	50-130				
Perfluorooctanesulfonic acid (PFOS)	80.7	2.00	"	74.0		109	50-130				
Perfluorononanoic acid (PFNA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorodecanoic acid (PFDA)	69.4	2.00	"	80.0		86.7	50-130				
Perfluoroundecanoic acid (PFUnA)	80.9	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	84.1	2.00	"	80.0		105	50-130				
Perfluorotridecanoic acid (PFTrDA)	75.0	2.00	"	80.0		93.8	50-130				
Perfluorotetradecanoic acid (PFTA)	81.9	2.00	"	80.0		102	50-130				
N-MeFOSAA	71.6	2.00	"	80.0		89.5	50-130				
N-EtFOSAA	89.3	2.00	"	80.0		112	50-130				
Perfluoropentanoic acid (PFPeA)	82.1	2.00	"	80.0		103	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	84.6	2.00	"	80.0		106	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.9	2.00	"	76.4		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	78.1	2.00	"	77.2		101	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	63.1	5.00	"	76.0		83.1	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.7	2.00	"	76.8		93.3	50-175				
Perfluoro-n-butanoic acid (PFBA)	84.3	2.00	"	80.0		105	50-130				
Surrogate: M3PFBS	*73.9*		*"*	*74.3*		*99.4*	*25-150*				
Surrogate: M5PFHxA	*81.5*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M4PFHpA	*77.6*		*"*	*80.0*		*97.1*	*25-150*				
Surrogate: M3PFHxS	*76.8*		*"*	*75.7*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: M6PFDA	*94.6*		*"*	*80.0*		*118*	*25-150*				
Surrogate: M7PFUdA	*82.7*		*"*	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.0*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M2PFTeDA	*71.6*		*"*	*80.0*		*89.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.5*		*"*	*80.0*		*93.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*85.1*		*"*	*76.6*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.9*		*"*	*80.0*		*98.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.9*		*"*	*80.0*		*19.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*90.4*		*"*	*80.0*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*81.8*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2-6:2 FTS	*81.7*		*"*	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*88.9*		*"*	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*85.2*		*"*	*80.0*		*106*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22467 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB22467-BSD1) LCS Dup							Prepared & Analyzed: 02/23/2022				
Perfluorobutanesulfonic acid (PFBS)	77.3	2.00	ng/L	70.8		109	50-130		0.838	30	
Perfluorohexanoic acid (PFHxA)	75.3	2.00	"	80.0		94.2	50-130		2.50	30	
Perfluoroheptanoic acid (PFHpA)	86.9	2.00	"	80.0		109	50-130		2.22	30	
Perfluorohexanesulfonic acid (PFHxS)	65.6	2.00	"	72.8		90.1	50-130		12.0	30	
Perfluorooctanoic acid (PFOA)	70.1	2.00	"	80.0		87.6	50-130		20.0	30	
Perfluorooctanesulfonic acid (PFOS)	82.5	2.00	"	74.0		111	50-130		2.18	30	
Perfluorononanoic acid (PFNA)	71.1	2.00	"	80.0		88.8	50-130		11.5	30	
Perfluorodecanoic acid (PFDA)	71.5	2.00	"	80.0		89.4	50-130		3.05	30	
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.8	50-130		1.35	30	
Perfluorododecanoic acid (PFDoA)	79.0	2.00	"	80.0		98.7	50-130		6.31	30	
Perfluorotridecanoic acid (PFTrDA)	71.0	2.00	"	80.0		88.7	50-130		5.55	30	
Perfluorotetradecanoic acid (PFTA)	78.0	2.00	"	80.0		97.5	50-130		4.92	30	
N-MeFOSAA	82.2	2.00	"	80.0		103	50-130		13.7	30	
N-EtFOSAA	83.2	2.00	"	80.0		104	50-130		7.13	30	
Perfluoropentanoic acid (PFPeA)	78.7	2.00	"	80.0		98.4	50-130		4.28	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.3	2.00	"	80.0		97.9	50-130		7.73	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	77.4	2.00	"	76.4		101	50-130		1.84	30	
Perfluoro-1-decanesulfonic acid (PFDS)	77.2	2.00	"	77.2		100	50-130		1.11	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.7	5.00	"	76.0		101	50-175		19.4	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	85.9	2.00	"	76.8		112	50-175		18.1	30	
Perfluoro-n-butanoic acid (PFBA)	80.8	2.00	"	80.0		101	50-130		4.31	30	
Surrogate: M3PFBS	*68.3*		*"*	*74.3*		*91.9*	*25-150*				
Surrogate: M5PFHxA	*76.7*		*"*	*80.0*		*95.9*	*25-150*				
Surrogate: M4PFHpA	*71.8*		*"*	*80.0*		*89.7*	*25-150*				
Surrogate: M3PFHxS	*77.3*		*"*	*75.7*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.7*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*92.0*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M7PFUdA	*91.2*		*"*	*80.0*		*114*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.0*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M2PFTeDA	*71.2*		*"*	*80.0*		*89.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.9*		*"*	*80.0*		*87.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.4*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.3*		*"*	*80.0*		*89.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.6*		*"*	*80.0*		*51.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*92.5*		*"*	*80.0*		*116*	*25-150*				
Surrogate: d5-N-EtFOSAA	*104*		*"*	*80.0*		*130*	*25-150*				
Surrogate: M2-6:2 FTS	*74.1*		*"*	*75.9*		*97.6*	*25-200*				
Surrogate: M2-8:2 FTS	*84.1*		*"*	*76.6*		*110*	*25-200*				
Surrogate: M9PFNA	*86.9*		*"*	*80.0*		*109*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22362 - EPA 3550C											
Blank (BB22362-BLK1) Blank									Prepared: 02/22/2022 Analyzed: 02/23/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0528*		*"*	*0.0664*		*79.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0495*		*"*	*0.0664*		*74.5*	*30-150*				
LCS (BB22362-BS1) LCS									Prepared: 02/22/2022 Analyzed: 02/23/2022		
4,4'-DDD	0.0376	0.00164	mg/kg wet	0.0332		113	40-140				
4,4'-DDE	0.0330	0.00164	"	0.0332		99.3	40-140				
4,4'-DDT	0.0290	0.00164	"	0.0332		87.4	40-140				
Aldrin	0.0371	0.00164	"	0.0332		112	40-140				
alpha-BHC	0.0419	0.00164	"	0.0332		126	40-140				
alpha-Chlordane	0.0356	0.00164	"	0.0332		107	40-140				
beta-BHC	0.0377	0.00164	"	0.0332		113	40-140				
delta-BHC	0.0365	0.00164	"	0.0332		110	40-140				
Dieldrin	0.0350	0.00164	"	0.0332		105	40-140				
Endosulfan I	0.0360	0.00164	"	0.0332		108	40-140				
Endosulfan II	0.0332	0.00164	"	0.0332		99.9	40-140				
Endosulfan sulfate	0.0280	0.00164	"	0.0332		84.3	40-140				
Endrin	0.0350	0.00164	"	0.0332		105	40-140				
Endrin aldehyde	0.0413	0.00164	"	0.0332		124	40-140				
Endrin ketone	0.0418	0.00164	"	0.0332		126	40-140				
gamma-BHC (Lindane)	0.0427	0.00164	"	0.0332		128	40-140				
gamma-Chlordane	0.0359	0.00164	"	0.0332		108	40-140				
Heptachlor	0.0383	0.00164	"	0.0332		115	40-140				
Heptachlor epoxide	0.0372	0.00164	"	0.0332		112	40-140				
Methoxychlor	0.0408	0.00164	"	0.0332		123	40-140				
Surrogate: Decachlorobiphenyl	*0.0521*		*"*	*0.0664*		*78.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0458*		*"*	*0.0664*		*68.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22411 - EPA SW846-3510C Low Level											
Blank (BB22411-BLK1) Blank								Prepared: 02/22/2022 Analyzed: 02/23/2022			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.103*		*"*	*0.200*		*51.3*	*30-150*				
LCS (BB22411-BS1) LCS								Prepared: 02/22/2022 Analyzed: 02/23/2022			
4,4'-DDD	0.126	0.00400	ug/L	0.100		126	40-140				
4,4'-DDE	0.115	0.00400	"	0.100		115	40-140				
4,4'-DDT	0.145	0.00400	"	0.100		145	40-140	High Bias			
Aldrin	0.111	0.00400	"	0.100		111	40-140				
alpha-BHC	0.136	0.00400	"	0.100		136	40-140				
alpha-Chlordane	0.114	0.00400	"	0.100		114	40-140				
beta-BHC	0.127	0.00400	"	0.100		127	40-140				
delta-BHC	0.122	0.00400	"	0.100		122	40-140				
Dieldrin	0.119	0.00200	"	0.100		119	40-140				
Endosulfan I	0.113	0.00400	"	0.100		113	40-140				
Endosulfan II	0.113	0.00400	"	0.100		113	40-140				
Endosulfan sulfate	0.0920	0.00400	"	0.100		92.0	40-140				
Endrin	0.137	0.00400	"	0.100		137	40-140				
Endrin aldehyde	0.130	0.0100	"	0.100		130	40-140				
Endrin ketone	0.134	0.0100	"	0.100		134	40-140				
gamma-BHC (Lindane)	0.146	0.00400	"	0.100		146	40-140	High Bias			
gamma-Chlordane	0.117	0.0100	"	0.100		117	40-140				
Heptachlor	0.140	0.00400	"	0.100		140	40-140				
Heptachlor epoxide	0.122	0.00400	"	0.100		122	40-140				
Methoxychlor	0.168	0.00400	"	0.100		168	40-140	High Bias			
Surrogate: Tetrachloro-m-xylene	*0.134*		*"*	*0.200*		*67.0*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22411 - EPA SW846-3510C Low Level											
LCS Dup (BB22411-BSD1) LCS Dup									Prepared: 02/22/2022 Analyzed: 02/23/2022		
4,4'-DDD	0.147	0.00400	ug/L	0.100		147	40-140	High Bias	15.7	20	
4,4'-DDE	0.130	0.00400	"	0.100		130	40-140		12.8	20	
4,4'-DDT	0.181	0.00400	"	0.100		181	40-140	High Bias	21.8	20	Non-dir.
Aldrin	0.119	0.00400	"	0.100		119	40-140		6.75	20	
alpha-BHC	0.135	0.00400	"	0.100		135	40-140		0.158	20	
alpha-Chlordane	0.125	0.00400	"	0.100		125	40-140		9.14	20	
beta-BHC	0.137	0.00400	"	0.100		137	40-140		7.67	20	
delta-BHC	0.134	0.00400	"	0.100		134	40-140		9.18	20	
Dieldrin	0.133	0.00200	"	0.100		133	40-140		11.2	20	
Endosulfan I	0.126	0.00400	"	0.100		126	40-140		10.5	20	
Endosulfan II	0.131	0.00400	"	0.100		131	40-140		14.6	20	
Endosulfan sulfate	0.105	0.00400	"	0.100		105	40-140		13.0	20	
Endrin	0.159	0.00400	"	0.100		159	40-140	High Bias	15.0	20	
Endrin aldehyde	0.152	0.0100	"	0.100		152	40-140	High Bias	15.5	20	
Endrin ketone	0.161	0.0100	"	0.100		161	40-140	High Bias	18.7	20	
gamma-BHC (Lindane)	0.140	0.00400	"	0.100		140	40-140		3.86	20	
gamma-Chlordane	0.128	0.0100	"	0.100		128	40-140		9.07	20	
Heptachlor	0.151	0.00400	"	0.100		151	40-140	High Bias	7.66	20	
Heptachlor epoxide	0.133	0.00400	"	0.100		133	40-140		9.05	20	
Methoxychlor	0.215	0.00400	"	0.100		215	40-140	High Bias	24.0	20	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.138*		*"*	*0.200*		*68.9*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22362 - EPA 3550C											
Blank (BB22362-BLK2) Blank								Prepared & Analyzed: 02/22/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0565*		"	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0462*		"	*0.0664*		*69.5*	*30-150*				
LCS (BB22362-BS2) LCS								Prepared & Analyzed: 02/22/2022			
Aroclor 1016	0.308	0.0166	mg/kg wet	0.332		92.8	40-140			30	
Aroclor 1260	0.304	0.0166	"	0.332		91.5	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0465*		"	*0.0664*		*70.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0375*		"	*0.0664*		*56.5*	*30-150*				
Matrix Spike (BB22362-MS2) Matrix Spike *Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Aroclor 1016	0.273	0.0208	mg/kg dry	0.417	ND	65.5	40-140			30	
Aroclor 1260	0.351	0.0208	"	0.417	ND	84.3	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0646*		"	*0.0833*		*77.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0504*		"	*0.0833*		*60.5*	*30-150*				
Matrix Spike Dup (BB22362-M Matrix Spike Dup *Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Aroclor 1016	0.307	0.0208	mg/kg dry	0.417	ND	73.7	40-140		11.8	30	
Aroclor 1260	0.404	0.0208	"	0.417	ND	97.0	40-140		14.0	30	
Surrogate: Tetrachloro-m-xylene	*0.0721*		"	*0.0833*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0517*		"	*0.0833*		*62.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22411 - EPA SW846-3510C Low Level											
Blank (BB22411-BLK2) Blank									Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.133*		*"*	*0.200*		*66.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.122*		*"*	*0.200*		*61.0*	*30-120*				
LCS (BB22411-BS2) LCS									Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aroclor 1016	0.835	0.0500	ug/L	1.00		83.5	40-120				
Aroclor 1260	0.822	0.0500	"	1.00		82.2	40-120				
Surrogate: Tetrachloro-m-xylene	*0.133*		*"*	*0.200*		*66.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0980*		*"*	*0.200*		*49.0*	*30-120*				
LCS Dup (BB22411-BSD2) LCS Dup									Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aroclor 1016	0.896	0.0500	ug/L	1.00		89.6	40-120		7.05	30	
Aroclor 1260	0.874	0.0500	"	1.00		87.4	40-120		6.16	30	
Surrogate: Tetrachloro-m-xylene	*0.137*		*"*	*0.200*		*68.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.114*		*"*	*0.200*		*57.0*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22361 - EPA 3550C/8151A											
Blank (BB22361-BLK1) Blank								Prepared & Analyzed: 02/22/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.237*		*"*	*0.415*		*57.0*	*21-150*				
LCS (BB22361-BS1) LCS								Prepared & Analyzed: 02/22/2022			
2,4,5-T	0.0656	0.0199	mg/kg wet	0.133		49.4	10-120				
2,4,5-TP (Silvex)	0.0880	0.0199	"	0.133		66.2	10-120				
2,4-D	0.0839	0.0199	"	0.133		63.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.306*		*"*	*0.415*		*73.8*	*21-150*				
Matrix Spike (BB22361-MS1) Matrix Spike *Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022			
2,4,5-T	0.147	0.0250	mg/kg dry	0.167	ND	88.1	10-120				
2,4,5-TP (Silvex)	0.136	0.0250	"	0.167	ND	81.9	10-120				
2,4-D	0.170	0.0250	"	0.167	ND	102	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.425*		*"*	*0.521*		*81.6*	*21-150*				
Matrix Spike Dup (BB22361-M Matrix Spike Dup *Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022			
2,4,5-T	0.141	0.0250	mg/kg dry	0.167	ND	84.4	10-120		4.35	35	
2,4,5-TP (Silvex)	0.132	0.0250	"	0.167	ND	79.4	10-120		3.10	35	
2,4-D	0.159	0.0250	"	0.167	ND	95.6	10-118		6.33	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.418*		*"*	*0.521*		*80.2*	*21-150*				
Batch BB22388 - EPA 8151A											
Blank (BB22388-BLK1) Blank								Prepared: 02/22/2022 Analyzed: 02/23/2022			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*108*		*"*	*125*		*86.6*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22388 - EPA 8151A											
LCS (BB22388-BS1) LCS									Prepared: 02/22/2022 Analyzed: 02/23/2022		
2,4,5-T	27.5	5.00	ug/L	40.0		68.8	10-140				
2,4,5-TP (Silvex)	26.2	5.00	"	40.0		65.6	10-139				
2,4-D	32.0	5.00	"	40.0		80.0	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*91.2*		*"*	*125*		*73.0*	*30-150*				
LCS Dup (BB22388-BSD1) LCS Dup									Prepared: 02/22/2022 Analyzed: 02/23/2022		
2,4,5-T	33.2	5.00	ug/L	40.0		83.1	10-140		18.9	30	
2,4,5-TP (Silvex)	31.8	5.00	"	40.0		79.4	10-139		19.0	30	
2,4-D	38.2	5.00	"	40.0		95.6	10-140		17.8	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*103*		*"*	*125*		*82.2*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22409 - EPA 3050B											
Blank (BB22409-BLK1) Blank									Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	6.51	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB22409-DUP1) Duplicate	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aluminum	7700	6.27	mg/kg dry		7830				1.59	35	
Antimony	4.80	3.13	"		4.44				7.74	35	
Arsenic	4.95	1.88	"		4.02				20.7	35	
Barium	71.8	3.13	"		74.9				4.22	35	
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.376	"		ND					35	
Calcium	6670	6.27	"		10500				44.2	35	Non-dir.
Chromium	64.3	0.627	"		59.7				7.43	35	
Cobalt	33.6	0.502	"		27.4				20.3	35	
Copper	60.8	2.51	"		63.4				4.16	35	
Iron	22700	31.3	"		22800				0.212	35	
Lead	149	0.627	"		168				12.0	35	
Magnesium	22500	6.27	"		25500				12.5	35	
Manganese	288	0.627	"		398				32.2	35	
Nickel	493	1.25	"		649				27.3	35	
Potassium	1130	6.27	"		1320				15.4	35	
Selenium	ND	3.13	"		ND					35	
Silver	ND	0.627	"		ND					35	
Sodium	293	62.7	"		291				0.850	35	
Thallium	ND	3.13	"		ND					35	
Vanadium	29.0	1.25	"		28.0				3.35	35	
Zinc	158	3.13	"		249				45.0	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22409 - EPA 3050B											
Matrix Spike (BB22409-MS1) Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aluminum	8460	6.27	mg/kg dry	251	7830	251	75-125	High Bias			
Antimony	11.8	3.13	"	31.3	4.44	23.3	75-125	Low Bias			
Arsenic	301	1.88	"	251	4.02	118	75-125				
Barium	376	3.13	"	251	74.9	120	75-125				
Beryllium	6.86	0.063	"	6.27	ND	109	75-125				
Cadmium	7.39	0.376	"	6.27	ND	118	75-125				
Calcium	7940	6.27	"	125	10500	NR	75-125	Low Bias			
Chromium	86.8	0.627	"	25.1	59.7	108	75-125				
Cobalt	105	0.502	"	62.7	27.4	124	75-125				
Copper	116	2.51	"	31.3	63.4	168	75-125	High Bias			
Iron	25100	31.3	"	125	22800	NR	75-125	High Bias			
Lead	286	0.627	"	62.7	168	187	75-125	High Bias			
Magnesium	20600	6.27	"	125	25500	NR	75-125	Low Bias			
Manganese	390	0.627	"	62.7	398	NR	75-125	Low Bias			
Nickel	501	1.25	"	62.7	649	NR	75-125	Low Bias			
Potassium	1340	6.27	"	125	1320	16.2	75-125	Low Bias			
Selenium	243	3.13	"	251	ND	96.9	75-125				
Silver	7.54	0.627	"	6.27	ND	120	75-125				
Sodium	461	62.7	"	125	291	136	75-125	High Bias			
Thallium	282	3.13	"	251	ND	112	75-125				
Vanadium	101	1.25	"	62.7	28.0	116	75-125				
Zinc	328	3.13	"	62.7	249	125	75-125				
Post Spike (BB22409-PS1) Post Spike	*Source sample: 22B0965-01 (EP33_6.0)								Prepared: 02/22/2022 Analyzed: 02/23/2022		
Aluminum	64.3		ug/mL	2.00	62.4	94.7	75-125				
Antimony	0.378		"	0.250	0.035	137	75-125	High Bias			
Arsenic	2.43		"	2.00	0.032	120	75-125				
Barium	2.99		"	2.00	0.598	120	75-125				
Beryllium	0.054		"	0.0500	-0.004	107	75-125				
Cadmium	0.058		"	0.0500	-0.0009	115	75-125				
Calcium	84.1		"	1.00	83.4	74.4	75-125	Low Bias			
Chromium	0.711		"	0.200	0.476	118	75-125				
Cobalt	0.832		"	0.500	0.219	123	75-125				
Copper	0.810		"	0.250	0.505	122	75-125				
Iron	183		"	1.00	181	128	75-125	High Bias			
Lead	1.99		"	0.500	1.34	129	75-125	High Bias			
Magnesium	204		"	1.00	203	92.2	75-125				
Manganese	3.83		"	0.500	3.18	130	75-125	High Bias			
Nickel	5.76		"	0.500	5.18	116	75-125				
Potassium	11.7		"	1.00	10.5	119	75-125				
Selenium	2.06		"	2.00	-0.060	103	75-125				
Silver	0.033		"	0.0500	-0.004	67.0	75-125	Low Bias			
Sodium	3.41		"	1.00	2.32	109	75-125				
Thallium	2.28		"	2.00	-0.012	114	75-125				
Vanadium	0.809		"	0.500	0.223	117	75-125				
Zinc	2.56		"	0.500	1.99	114	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22409 - EPA 3050B											
Reference (BB22409-SRM1) Reference								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Aluminum	10100	5.00	mg/kg wet	8130		124	49.9-150.1				
Antimony	98.3	2.50	"	134		73.3	19.3-250				
Arsenic	196	1.50	"	156		126	69.9-130.1				
Barium	300	2.50	"	239		125	74.9-124.7	High Bias			
Beryllium	198	0.050	"	169		117	75.1-125.4				
Cadmium	160	0.300	"	137		117	75.2-124.8				
Calcium	5340	5.00	"	4760		112	72.7-127.5				
Chromium	189	0.500	"	154		123	70.1-129.9				
Cobalt	150	0.400	"	121		124	75-124.8				
Copper	70.4	2.00	"	54.9		128	74.9-125	High Bias			
Iron	16400	25.0	"	14100		116	34.9-164.5				
Lead	161	0.500	"	130		124	71.8-128.5				
Magnesium	2650	5.00	"	2320		114	62.1-137.9				
Manganese	334	0.500	"	269		124	74-126.4				
Nickel	80.6	1.00	"	53.9		150	69.9-129.9	High Bias			
Potassium	2430	5.00	"	2020		120	58.9-141.1				
Selenium	152	2.50	"	167		90.9	67.7-132.3				
Silver	40.4	0.500	"	33.6		120	68.5-131.3				
Sodium	158	50.0	"	133		119	35-165.4				
Thallium	126	2.50	"	112		112	67.9-131.3				
Vanadium	73.8	1.00	"	62.6		118	59.1-141.1				
Zinc	198	2.50	"	158		125	70.3-129.7				
Batch BB22460 - EPA 3015A											
Blank (BB22460-BLK1) Blank								Prepared & Analyzed: 02/23/2022			
Aluminum	0.0594	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.289	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22460 - EPA 3015A											
LCS (BB22460-BS1) LCS								Prepared & Analyzed: 02/23/2022			
Aluminum	2.13		ug/mL	2.00		107	80-120				
Barium	2.27		"	2.00		113	80-120				
Calcium	1.08		"	1.00		108	80-120				
Chromium	0.226		"	0.200		113	80-120				
Cobalt	0.589		"	0.500		118	80-120				
Copper	0.294		"	0.250		117	80-120				
Iron	1.12		"	1.00		112	80-120				
Lead	0.600		"	0.500		120	80-120				
Magnesium	1.10		"	1.00		110	80-120				
Manganese	0.563		"	0.500		113	80-120				
Nickel	0.566		"	0.500		113	80-120				
Potassium	1.13		"	1.00		113	80-120				
Silver	0.0582		"	0.0500		116	80-120				
Sodium	1.08		"	1.00		108	80-120				
Vanadium	0.554		"	0.500		111	80-120				
Zinc	0.541		"	0.500		108	80-120				
Duplicate (BB22460-DUP1) Duplicate	*Source sample: 22B0964-04 (Duplicate)							Prepared & Analyzed: 02/23/2022			
Aluminum	3.69	0.0556	mg/L		3.82				3.71	20	
Barium	0.0844	0.0278	"		0.0851				0.824	20	
Calcium	59.1	0.0556	"		59.7				1.01	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	1.64	0.278	"		1.70				3.74	20	
Lead	0.00736	0.00556	"		0.00661				10.8	20	
Magnesium	4.40	0.0556	"		4.53				2.84	20	
Manganese	0.0517	0.00556	"		0.0520				0.541	20	
Nickel	ND	0.0111	"		ND					20	
Potassium	139	0.0556	"		141				1.22	20	
Silver	ND	0.00556	"		ND					20	
Sodium	592	0.556	"		600				1.41	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	0.0344	0.0278	"		0.0296				15.0	20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22460 - EPA 3015A											
Matrix Spike (BB22460-MS1) Matrix Spike	*Source sample: 22B0964-04 (Matrix Spike)							Prepared & Analyzed: 02/23/2022			
Aluminum	6.28	0.0556	mg/L	2.22	3.82	111	75-125				
Barium	2.59	0.0278	"	2.22	0.0851	113	75-125				
Calcium	60.8	0.0556	"	1.11	59.7	100	75-125				
Chromium	0.253	0.00556	"	0.222	ND	114	75-125				
Cobalt	0.653	0.00444	"	0.556	ND	118	75-125				
Copper	0.354	0.0222	"	0.278	ND	128	75-125	High Bias			
Iron	2.87	0.278	"	1.11	1.70	105	75-125				
Lead	0.662	0.00556	"	0.556	0.00661	118	75-125				
Magnesium	5.50	0.0556	"	1.11	4.53	87.3	75-125				
Manganese	0.680	0.00556	"	0.556	0.0520	113	75-125				
Nickel	0.673	0.0111	"	0.556	ND	121	75-125				
Potassium	143	0.0556	"	1.11	141	228	75-125	High Bias			
Silver	0.0615	0.00556	"	0.0556	ND	111	75-125				
Sodium	575	0.556	"	1.11	600	NR	75-125	Low Bias			
Vanadium	0.637	0.0111	"	0.556	ND	115	75-125				
Zinc	0.745	0.0278	"	0.556	0.0296	129	75-125	High Bias			
Post Spike (BB22460-PS1) Post Spike	*Source sample: 22B0964-04 (Post Spike)							Prepared & Analyzed: 02/23/2022			
Aluminum	5.43		ug/mL	2.00	3.44	99.3	75-125				
Barium	2.32		"	2.00	0.0766	112	75-125				
Calcium	53.7		"	1.00	53.7	2.85	75-125	Low Bias			
Chromium	0.225		"	0.200	0.00102	112	75-125				
Cobalt	0.585		"	0.500	0.00104	117	75-125				
Copper	0.313		"	0.250	0.00660	123	75-125				
Iron	2.59		"	1.00	1.53	106	75-125				
Lead	0.602		"	0.500	0.00595	119	75-125				
Magnesium	4.95		"	1.00	4.08	87.6	75-125				
Manganese	0.602		"	0.500	0.0468	111	75-125				
Nickel	0.612		"	0.500	0.00485	121	75-125				
Potassium	127		"	1.00	127	15.6	75-125	Low Bias			
Silver	0.0296		"	0.0500	-0.00257	59.2	75-125	Low Bias			
Sodium	514		"	1.00	540	NR	75-125	Low Bias			
Vanadium	0.563		"	0.500	0.00557	112	75-125				
Zinc	0.609		"	0.500	0.0266	117	75-125				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22461 - EPA 3015A											
Blank (BB22461-BLK1) Blank								Prepared & Analyzed: 02/23/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BB22461-BS1) LCS								Prepared & Analyzed: 02/23/2022			
Antimony	43.3		ug/L	50.0		86.7	80-120				
Arsenic	48.1		"	50.0		96.1	80-120				
Beryllium	49.7		"	50.0		99.4	80-120				
Cadmium	49.2		"	50.0		98.4	80-120				
Selenium	47.1		"	50.0		94.2	80-120				
Thallium	51.5		"	50.0		103	80-120				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22356 - EPA SW846-7470A												
Blank (BB22356-BLK1)	Blank								Prepared & Analyzed: 02/21/2022			
Mercury		ND	0.0002	mg/L								
Duplicate (BB22356-DUP1)	Duplicate	*Source sample: 22B0964-04 (Duplicate)							Prepared & Analyzed: 02/21/2022			
Mercury		ND	0.0002	mg/L		ND					20	
Matrix Spike (BB22356-MS1)	Matrix Spike	*Source sample: 22B0964-04 (Matrix Spike)							Prepared & Analyzed: 02/21/2022			
Mercury		0.0022	0.0002	mg/L	0.00200	ND	110	75-125				
Batch BB22413 - EPA 7473 soil												
Blank (BB22413-BLK1)	Blank								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB22413-DUP1)	Duplicate	*Source sample: 22B0965-01 (EP33_6.0)							Prepared: 02/22/2022 Analyzed: 02/23/2022			
Mercury		0.833	0.0376	mg/kg dry		0.593				33.6	35	
Matrix Spike (BB22413-MS1)	Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)							Prepared: 02/22/2022 Analyzed: 02/23/2022			
Mercury		1.29		mg/kg	0.500	0.473	163	75-125	High Bias			
Reference (BB22413-SRM1)	Reference								Prepared: 02/22/2022 Analyzed: 02/23/2022			
Mercury		26.184		mg/kg	27.2		96.3	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22358 - Analysis Preparation												
Blank (BB22358-BLK1)	Blank								Prepared & Analyzed: 02/21/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BB22358-BS1)	LCS								Prepared & Analyzed: 02/21/2022			
Chromium, Hexavalent		0.524	0.0100	mg/L	0.500		105	80-120				
Duplicate (BB22358-DUP1)	Duplicate	*Source sample: 22B0968-13 (Duplicate)							Prepared & Analyzed: 02/21/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BB22358-MS1)	Matrix Spike	*Source sample: 22B0968-13 (Matrix Spike)							Prepared & Analyzed: 02/21/2022			
Chromium, Hexavalent		0.535	0.0100	mg/L	0.500	ND	107	75-125				
Batch BB22368 - Analysis Preparation Soil												
Blank (BB22368-BLK1)	Blank								Prepared & Analyzed: 02/22/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB22368-DUP1)	Duplicate	*Source sample: 22B0965-01 (EP33_6.0)							Prepared & Analyzed: 02/22/2022			
Cyanide, total		ND	0.627	mg/kg dry		ND					15	
Matrix Spike (BB22368-MS1)	Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)							Prepared & Analyzed: 02/22/2022			
Cyanide, total		10.5	0.627	mg/kg dry	12.5	ND	83.8	79.6-107				
Reference (BB22368-SRM1)	Reference								Prepared & Analyzed: 02/22/2022			
Cyanide, total		104		ug/mL	86.8		119	41.82-157.83				
Batch BB22373 - EPA SW846-3060												
Blank (BB22373-BLK1)	Blank								Prepared & Analyzed: 02/22/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22373 - EPA SW846-3060												
Duplicate (BB22373-DUP1)	Duplicate	*Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022		
Chromium, Hexavalent		ND	0.627	mg/kg dry		ND					35	
Matrix Spike (BB22373-MS1)	Matrix Spike	*Source sample: 22B0965-01 (EP33_6.0)								Prepared & Analyzed: 02/22/2022		
Chromium, Hexavalent		ND	0.627	mg/kg dry	25.1	ND		75-125	Low Bias			
Reference (BB22373-SRM1)	Reference									Prepared & Analyzed: 02/22/2022		
Chromium, Hexavalent		59.7		mg/L	109		54.8	30-169.7				
Batch BB22447 - Analysis Preparation												
Blank (BB22447-BLK1)	Blank									Prepared & Analyzed: 02/23/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BB22447-BS1)	LCS									Prepared & Analyzed: 02/23/2022		
Cyanide, total		0.178	0.0100	mg/L	0.200		89.0	80-120				
Duplicate (BB22447-DUP1)	Duplicate	*Source sample: 22B1025-11 (Duplicate)								Prepared & Analyzed: 02/23/2022		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BB22447-MS1)	Matrix Spike	*Source sample: 22B1025-11 (Matrix Spike)								Prepared & Analyzed: 02/23/2022		
Cyanide, total		0.182	0.0100	mg/L	0.200	ND	90.8	79-105				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22383 - % Solids Prep											
Duplicate (BB22383-DUP1) Duplicate	*Source sample: 22B0965-01 (EP33_6.0)							Prepared & Analyzed: 02/22/2022			
% Solids	79.4	0.100	%		79.7				0.402	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0965-01	EP33_6.0	40mL Vial with Stir Bar-Cool 4° C
22B0965-02	EP34_6.0	40mL Vial with Stir Bar-Cool 4° C
22B0965-03	EP35_5.5	40mL Vial with Stir Bar-Cool 4° C
22B0965-09	DUP03_02212022	40mL Vial with Stir Bar-Cool 4° C
22B0965-10	FB03_02212022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22B0965-11	TB03_02212022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0965

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street 8th Floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Secon	Contact:	Contact:
E-mail: Ksecon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP33-6.0	~~02/01/22~~ S	02/01/22 1300	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides, herbicides, metals including Cyanide, hex & trivalent chromium, PFAS, 1,4-dioxide *	MS/MSD
EP34-6.0		1330		
EP35-5.5		1345	* Run for all samplings	
EP30-6.5		1400	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, chrysene, Indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene	
EP21-6.0		1430		
~~EP32-6.5~~				
EP31-6.5		02/01/22 1445	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(e)Fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Mercury, Chrysene	
EP32-6.5		1500		
EP22-6.5	S	1435	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)Pyrene	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondance

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Jessica Babb/Langan	2/2/22 17:00	Andrew S. York	2/2/22 17:00	Andrew S. York	2/2/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Neal P York Fedex	2/2/22 19:35	Neal P York Fedex	2/2/22 2145		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					2/2/22 2145 / 4.C Degrees C

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22BC0965

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st Street 8th Floor New York, NY 10001	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day X
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Sampo	Contact:	Contact:		RUSH - Four Day
E-mail: Ksampo@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes	Samples From	
S - soil / solid	New York	✓
GW - groundwater	New Jersey	
DW - drinking water	Connecticut	
WW - wastewater	Pennsylvania	
O - Oil ⋮ Other	Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
(NY ASP B Package)	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
DUP03-02212022	S	2/21/22	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides, herbicides, metals including cyanide, hexavalent chromium, PFAS, 1,4-dioxide	
FB03-02212022	other AQ	1515		
TB03-02212022	↓	1520	VOCs	
FB01_PFAS_02212022	↓	1600	PFAS	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondance

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Jessica Babbo / Langan	2/21/22 1710	Andrew S. York	2/21/22 1700	Andrew S. York	2/21/22
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Nat'l York Fales	2/21/22 1933	Nat'l York Fales	2/21/22 2145		
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by** Date/Time	**Temp. Received at Lab**
				2/21/22 2145	4.6 Degrees C

Technical Report

prepared for:

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

Report Date: 02/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1019

Report Date: 02/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1019

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 22, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B1019-01	EP19_5.5	Soil	02/22/2022	02/22/2022
22B1019-02	EP29_6.5	Soil	02/22/2022	02/22/2022
22B1019-03	EP37_5.5	Soil	02/22/2022	02/22/2022
22B1019-04	EP50_5.5	Soil	02/22/2022	02/22/2022
22B1019-05	EP51_5.5	Soil	02/22/2022	02/22/2022

General Notes for York Project (SDG) No.: 22B1019

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

Approved By **Date:** 02/24/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP19_5.5 **York Sample ID:** 22B1019-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1019	170610601	Soil	February 22, 2022 12:20 pm	02/22/2022

Arsenic by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.84**		mg/kg dry	1.75	1	EPA 6010D	02/23/2022 15:17	02/24/2022 14:32	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.8**		%	0.100	1	SM 2540G	02/23/2022 12:50	02/23/2022 15:49	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP29_6.5 **York Sample ID:** 22B1019-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1019	170610601	Soil	February 22, 2022 12:15 pm	02/22/2022

Semi-Volatiles, Select PAH (E)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.708**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.590**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.387**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.442**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.756**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.102**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**1.22**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.273**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.47**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	02/23/2022 07:18	02/23/2022 20:06	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*55.8 %*	*30-130*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.5 %*	*30-130*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*54.2 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.7 %*	*30-130*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*69.2 %*	*30-130*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.5 %*	*30-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.7**		%	0.100	1	SM 2540G	02/23/2022 12:50	02/23/2022 15:49	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP37_5.5 **York Sample ID:** 22B1019-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1019	170610601	Soil	February 22, 2022 12:10 pm	02/22/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**563**		mg/kg dry	1.24	1	EPA 6010D	02/23/2022 15:17	02/24/2022 14:41	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.4**		%	0.100	1	SM 2540G	02/23/2022 12:50	02/23/2022 15:49	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP50_5.5 **York Sample ID:** 22B1019-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1019	170610601	Soil	February 22, 2022 12:00 pm	02/22/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**53.5**		mg/kg dry	0.601	1	EPA 6010D	02/23/2022 15:17	02/24/2022 14:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.1**		%	0.100	1	SM 2540G	02/23/2022 12:50	02/23/2022 15:49	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP51_5.5 **York Sample ID:** 22B1019-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1019	170610601	Soil	February 22, 2022 12:05 pm	02/22/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**220**		mg/kg dry	1.20	1	EPA 6010D	02/23/2022 15:24	02/24/2022 15:04	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.2**		%	0.100	1	SM 2540G	02/23/2022 12:50	02/23/2022 15:49	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BB22440 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22B1019-02	EP29_6.5	02/23/22
BB22440-BLK1	Blank	02/23/22
BB22440-BS1	LCS	02/23/22
BB22440-MS1	Matrix Spike	02/23/22
BB22440-MSD1	Matrix Spike Dup	02/23/22

Batch ID: BB22471 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B1019-01	EP19_5.5	02/23/22
22B1019-02	EP29_6.5	02/23/22
22B1019-03	EP37_5.5	02/23/22
22B1019-04	EP50_5.5	02/23/22
22B1019-05	EP51_5.5	02/23/22
BB22471-DUP1	Duplicate	02/23/22

Batch ID: BB22489 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1019-01	EP19_5.5	02/23/22
22B1019-03	EP37_5.5	02/23/22
22B1019-04	EP50_5.5	02/23/22
BB22489-BLK1	Blank	02/23/22
BB22489-DUP1	Duplicate	02/23/22
BB22489-MS1	Matrix Spike	02/23/22
BB22489-PS1	Post Spike	02/23/22
BB22489-SRM1	Reference	02/23/22

Batch ID: BB22490 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1019-05	EP51_5.5	02/23/22
BB22490-BLK1	Blank	02/23/22
BB22490-DUP1	Duplicate	02/23/22
BB22490-MS1	Matrix Spike	02/23/22
BB22490-PS1	Post Spike	02/23/22
BB22490-SRM1	Reference	02/23/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22440 - EPA 3546 SVOA											
Blank (BB22440-BLK1) Blank								Prepared & Analyzed: 02/23/2022			
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*0.749*		"	*1.66*		*45.1*	*30-130*				
Surrogate: SURR: Phenol-d5	*0.752*		"	*1.66*		*45.3*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.457*		"	*0.831*		*55.0*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.403*		"	*0.831*		*48.5*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.831*		"	*1.66*		*50.0*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.430*		"	*0.831*		*51.8*	*30-130*				
LCS (BB22440-BS1) LCS								Prepared & Analyzed: 02/23/2022			
Benzo(a)anthracene	0.403	0.0416	mg/kg wet	0.831		48.5	70-130	Low Bias		30	
Benzo(a)pyrene	0.413	0.0416	"	0.831		49.7	70-130	Low Bias		30	
Benzo(b)fluoranthene	0.417	0.0416	"	0.831		50.2	70-130	Low Bias		30	
Benzo(k)fluoranthene	0.429	0.0416	"	0.831		51.6	70-130	Low Bias		30	
Chrysene	0.415	0.0416	"	0.831		50.0	70-130	Low Bias		30	
Dibenzo(a,h)anthracene	0.431	0.0416	"	0.831		51.9	70-130	Low Bias		30	
Fluoranthene	0.437	0.0416	"	0.831		52.6	70-130	Low Bias		30	
Indeno(1,2,3-cd)pyrene	0.418	0.0416	"	0.831		50.3	70-130	Low Bias		30	
Pyrene	0.432	0.0416	"	0.831		52.0	70-130	Low Bias		30	
Surrogate: SURR: 2-Fluorophenol	*0.870*		"	*1.66*		*52.4*	*30-130*				
Surrogate: SURR: Phenol-d5	*0.780*		"	*1.66*		*47.0*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.506*		"	*0.831*		*60.9*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.433*		"	*0.831*		*52.2*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.941*		"	*1.66*		*56.7*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.466*		"	*0.831*		*56.1*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22440 - EPA 3546 SVOA											
Matrix Spike (BB22440-MS1) Matrix Spike	*Source sample: 22B1010-02 (Matrix Spike)							Prepared & Analyzed: 02/23/2022			
Benzo(a)anthracene	0.264	0.0831	mg/kg wet	0.831	ND	31.8	70-130	Low Bias		30	
Benzo(a)pyrene	0.198	0.0831	"	0.831	ND	23.8	70-130	Low Bias		30	
Benzo(b)fluoranthene	0.217	0.0831	"	0.831	ND	26.1	70-130	Low Bias		30	
Benzo(k)fluoranthene	0.221	0.0831	"	0.831	ND	26.6	70-130	Low Bias		30	
Chrysene	0.249	0.0831	"	0.831	ND	30.0	70-130	Low Bias		30	
Dibenzo(a,h)anthracene	0.198	0.0831	"	0.831	ND	23.8	70-130	Low Bias		30	
Fluoranthene	0.287	0.0831	"	0.831	ND	34.6	70-130	Low Bias		30	
Indeno(1,2,3-cd)pyrene	0.211	0.0831	"	0.831	ND	25.4	70-130	Low Bias		30	
Pyrene	0.258	0.0831	"	0.831	ND	31.1	70-130	Low Bias		30	
Surrogate: SURR: 2-Fluorophenol	*0.466*		*"*	*1.66*		*28.1*	*30-130*				
Surrogate: SURR: Phenol-d5	*0.439*		*"*	*1.66*		*26.4*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.195*		*"*	*0.831*		*23.4*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.208*		*"*	*0.831*		*25.0*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.499*		*"*	*1.66*		*30.0*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.296*		*"*	*0.831*		*35.6*	*30-130*				
Matrix Spike Dup (BB22440-M Matrix Spike Dup	*Source sample: 22B1010-02 (Matrix Spike Dup)							Prepared & Analyzed: 02/23/2022			
Benzo(a)anthracene	0.218	0.0831	mg/kg wet	0.831	ND	26.2	70-130	Low Bias	19.0	30	
Benzo(a)pyrene	0.167	0.0831	"	0.831	ND	20.1	70-130	Low Bias	17.1	30	
Benzo(b)fluoranthene	0.195	0.0831	"	0.831	ND	23.4	70-130	Low Bias	10.7	30	
Benzo(k)fluoranthene	0.172	0.0831	"	0.831	ND	20.7	70-130	Low Bias	25.0	30	
Chrysene	0.212	0.0831	"	0.831	ND	25.5	70-130	Low Bias	16.1	30	
Dibenzo(a,h)anthracene	0.204	0.0831	"	0.831	ND	24.6	70-130	Low Bias	2.98	30	
Fluoranthene	0.253	0.0831	"	0.831	ND	30.5	70-130	Low Bias	12.5	30	
Indeno(1,2,3-cd)pyrene	0.173	0.0831	"	0.831	ND	20.9	70-130	Low Bias	19.7	30	
Pyrene	0.229	0.0831	"	0.831	ND	27.5	70-130	Low Bias	12.3	30	
Surrogate: SURR: 2-Fluorophenol	*0.503*		*"*	*1.66*		*30.3*	*30-130*				
Surrogate: SURR: Phenol-d5	*0.448*		*"*	*1.66*		*27.0*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.177*		*"*	*0.831*		*21.4*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.211*		*"*	*0.831*		*25.4*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.454*		*"*	*1.66*		*27.3*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.223*		*"*	*0.831*		*26.8*	*30-130*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22489 - EPA 3050B											
Blank (BB22489-BLK1) Blank									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Arsenic	ND	1.50	mg/kg wet								
Lead	ND	0.500	"								
Nickel	ND	1.00	"								
Duplicate (BB22489-DUP1) Duplicate	*Source sample: 22B1019-04 (EP50_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Arsenic	ND	1.80	mg/kg dry		ND					35	
Lead	91.2	0.601	"		53.5				52.1	35	Non-dir.
Nickel	113	1.20	"		105				6.59	35	
Matrix Spike (BB22489-MS1) Matrix Spike	*Source sample: 22B1019-04 (EP50_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Arsenic	293	1.80	mg/kg dry	241	ND	122	75-125				
Lead	209	0.601	"	60.1	53.5	258	75-125	High Bias			
Nickel	216	1.20	"	60.1	105	184	75-125	High Bias			
Post Spike (BB22489-PS1) Post Spike	*Source sample: 22B1019-04 (EP50_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Arsenic	2.40		ug/mL	2.00	0.00665	119	75-125				
Lead	1.10		"	0.500	0.445	131	75-125	High Bias			
Nickel	1.51		mg/L	0.500	0.877	127	75-125	High Bias			
Reference (BB22489-SRM1) Reference									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Arsenic	162	1.50	mg/kg wet	156		104	69.9-130.1				
Lead	157	0.500	"	130		121	71.8-128.5				
Nickel	66.7	1.00	"	53.9		124	69.9-129.9				
Batch BB22490 - EPA 3050B											
Blank (BB22490-BLK1) Blank									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Nickel	ND	1.00	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22490 - EPA 3050B											
Duplicate (BB22490-DUP1) Duplicate	*Source sample: 22B1019-05 (EP51_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Nickel	238	1.20	mg/kg dry		220				7.80	35	
Matrix Spike (BB22490-MS1) Matrix Spike	*Source sample: 22B1019-05 (EP51_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Nickel	326	1.20	mg/kg dry	60.1	220	176	75-125	High Bias			
Post Spike (BB22490-PS1) Post Spike	*Source sample: 22B1019-05 (EP51_5.5)								Prepared: 02/23/2022 Analyzed: 02/24/2022		
Nickel	2.51		mg/L	0.500	1.83	135	75-125	High Bias			
Reference (BB22490-SRM1) Reference									Prepared: 02/23/2022 Analyzed: 02/24/2022		
Nickel	68.3	1.00	mg/kg wet	53.9		127	69.9-129.9				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22471 - % Solids Prep											
Duplicate (BB22471-DUP1) Duplicate	*Source sample: 22B1019-05 (EP51_5.5)							Prepared & Analyzed: 02/23/2022			
% Solids	83.3	0.100	%		83.2				0.113	20	

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ClientServices@yorklab.com

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B1019

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: LANGAN Engineering	Company:	Company:
Address: 360 W 31st Street Floor 8, NY, NY 10001	Address:	Address: 170616O1-GD
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: Ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170616O1

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP19-5.5	S	2/22/22 12:20	Arsenic	
EP29-6.5		12:15	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Indeno(1,2,3)pyrene, Pyrene	
EP37-5.5		12:10	Nickel	
EP50-5.5		12:00	Lead	
EP51-5.5		12:05	Nickel	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondance

Samples iced/chilled at time of lab pickup? Circle: Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Gabriella DeGennaro/LANGAN	2/22/22 @1545	Andrew S. York	2/22/22 1548	Andrew S York	2/22/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Noel N York Labs	2/22/22 1810	Noel N York Labs	2/22/22 2028		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				TJack	2/22/22 2028 3.1 Degrees C

Technical Report

prepared for:

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

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1156

Revision No. 1.0

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

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

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1156

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 24, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B1156-01	EP30_5.5	Soil	02/24/2022	02/24/2022
22B1156-02	EP33_5.0	Soil	02/24/2022	02/24/2022
22B1156-03	EP35_4-5	Soil	02/24/2022	02/24/2022
22B1156-04	SB107_SW_W_3.0	Soil	02/24/2022	02/24/2022
22B1156-05	EP53_4.0	Soil	02/24/2022	02/24/2022
22B1156-06	FB01_PFAS_02242022	Water	02/24/2022	02/24/2022

General Notes for York Project (SDG) No.: 22B1156

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

Approved By **Date:** 03/08/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP30_5.5 **York Sample ID:** 22B1156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 1:45 pm	02/24/2022

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:17	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*90.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*84.7 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.5**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP33_5.0 **York Sample ID:** 22B1156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:00 pm	02/24/2022

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*95.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*85.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*91.6 %*	*24-116*

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**67.2**		mg/kg dry	1.10	1	EPA 6010D	02/28/2022 15:40	03/01/2022 13:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.6**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP35_4-5 **York Sample ID:** 22B1156-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:15 pm	02/24/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**6.34**		mg/kg dry	0.554	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:20	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473	02/28/2022 10:06	02/28/2022 15:18	ZZZ
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_SW_W_3.0 **York Sample ID:** 22B1156-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:45 pm	02/24/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**4.28**		mg/kg dry	0.556	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.011**	CCV-E	mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*92.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*91.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*93.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*83.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.7 %*	*24-116*

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/25/2022 13:30	02/28/2022 11:52	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.5 %*	*25-150*
Surrogate: M5PFHxA	*93.1 %*	*25-150*
Surrogate: M4PFHpA	*87.2 %*	*25-150*
Surrogate: M3PFHxS	*89.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.1 %*	*25-150*
Surrogate: M6PFDA	*93.8 %*	*25-150*
Surrogate: M7PFUdA	*81.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.9 %*	*25-150*
Surrogate: M2PFTeDA	*58.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*87.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*122 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*119 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*75.9 %*	*25-200*
Surrogate: M9PFNA	*93.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.9 %*	*30-150*

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*86.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8960**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.36**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**64.7**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2040**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**22.3**		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.25**		mg/kg dry	0.447	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**169**		mg/kg dry	2.23	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17700**		mg/kg dry	27.9	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.16**		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4150**	B	mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**259**	B	mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**125**		mg/kg dry	1.12	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1340**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**168**		mg/kg dry	55.8	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.2**		mg/kg dry	1.12	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**28.7**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	02/28/2022 10:06	02/28/2022 15:25	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	02/25/2022 12:53	02/25/2022 20:23	MAO
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**22.3**		mg/kg	0.500	1	Calculation	02/28/2022 17:39	03/01/2022 16:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C	02/25/2022 13:44	02/25/2022 20:32	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02242022** **York Sample ID:** **22B1156-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Water	February 24, 2022 3:00 pm	02/24/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL

Sample Information

Client Sample ID: FB01_PFAS_02242022 **York Sample ID:** 22B1156-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Water	February 24, 2022 3:00 pm	02/24/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m	02/28/2022 12:42	02/28/2022 20:31	WL
							Certifications:			

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*92.5 %*		*25-150*
Surrogate: M5PFHxA	*96.2 %*		*25-150*
Surrogate: M4PFHpA	*86.5 %*		*25-150*
Surrogate: M3PFHxS	*74.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.5 %*		*25-150*
Surrogate: M6PFDA	*96.6 %*		*25-150*
Surrogate: M7PFUdA	*91.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.7 %*		*25-150*
Surrogate: M2PFTeDA	*77.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*68.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*141 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*164 %*	PFSu-H	*25-150*
Surrogate: M2-6:2 FTS	*143 %*		*25-200*
Surrogate: M2-8:2 FTS	*233 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*87.4 %*		*25-150*

Analytical Batch Summary

Batch ID: BB22608 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22608-BLK1	Blank	02/25/22
BB22608-BS1	LCS	02/25/22
BB22608-MS1	Matrix Spike	02/25/22
BB22608-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22627 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22627-BLK1	Blank	02/25/22
BB22627-BS1	LCS	02/25/22
BB22627-MS1	Matrix Spike	02/25/22
BB22627-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22629 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22629-BLK1	Blank	02/25/22
BB22629-DUP1	Duplicate	02/25/22
BB22629-MS1	Matrix Spike	02/25/22
BB22629-SRM1	Reference	02/25/22

Batch ID: BB22636 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22636-BLK1	Blank	02/25/22
BB22636-BLK2	Blank	02/25/22
BB22636-BS1	LCS	02/25/22
BB22636-BS2	LCS	02/25/22
BB22636-MS2	Matrix Spike	02/25/22
BB22636-MSD2	Matrix Spike Dup	02/25/22

Batch ID: BB22637 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-01	EP30_5.5	02/25/22
22B1156-02	EP33_5.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22637-BLK1	Blank	02/25/22

BB22637-BS1	LCS	02/25/22
BB22637-MS1	Matrix Spike	02/25/22
BB22637-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22638 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22638-BLK1	Blank	02/25/22
BB22638-BS1	LCS	02/25/22
BB22638-MS1	Matrix Spike	02/25/22
BB22638-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22643 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22643-BLK1	Blank	02/25/22
BB22643-DUP1	Duplicate	02/25/22
BB22643-MS1	Matrix Spike	02/25/22
BB22643-SRM1	Reference	02/25/22

Batch ID: BB22665 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-03	EP35_4-5	02/25/22
22B1156-04	SB107_SW_W_3.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22665-BLK1	Blank	02/25/22
BB22665-DUP1	Duplicate	02/25/22
BB22665-MS1	Matrix Spike	02/25/22
BB22665-PS1	Post Spike	02/25/22
BB22665-SRM1	Reference	02/25/22

Batch ID: BB22699 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-03	EP35_4-5	02/28/22
22B1156-05	EP53_4.0	02/28/22
BB22699-BLK1	Blank	02/28/22
BB22699-DUP1	Duplicate	02/28/22
BB22699-MS1	Matrix Spike	02/28/22
BB22699-SRM1	Reference	02/28/22

Batch ID: BB22701 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/28/22

BB22701-BLK1	Blank	02/28/22
BB22701-BLK2	Blank	02/28/22
BB22701-BS1	LCS	02/28/22
BB22701-BSD1	LCS Dup	02/28/22

Batch ID: BB22725 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-06	FB01_PFAS_02242022	02/28/22
BB22725-BLK1	Blank	02/28/22
BB22725-BS1	LCS	02/28/22
BB22725-BSD1	LCS Dup	02/28/22

Batch ID: BB22726 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-01	EP30_5.5	02/28/22
22B1156-02	EP33_5.0	02/28/22
22B1156-03	EP35_4-5	02/28/22
22B1156-04	SB107_SW_W_3.0	02/28/22
22B1156-05	EP53_4.0	02/28/22
BB22726-DUP1	Duplicate	02/28/22

Batch ID: BB22762 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-02	EP33_5.0	02/28/22
BB22762-BLK1	Blank	02/28/22
BB22762-DUP1	Duplicate	02/28/22
BB22762-MS1	Matrix Spike	02/28/22
BB22762-PS1	Post Spike	02/28/22
BB22762-SRM1	Reference	02/28/22

Batch ID: BB22779 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/28/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
Blank (BB22701-BLK2) HB-22B1156									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK2) HB-22B1156									Prepared & Analyzed: 02/28/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS							Prepared & Analyzed: 02/28/2022				
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	45.4		"	50.0		90.7	71-137				
1,1,2,2-Tetrachloroethane	50.6		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.6		"	50.0		91.2	58-146				
1,1,2-Trichloroethane	46.6		"	50.0		93.3	83-123				
1,1-Dichloroethane	44.1		"	50.0		88.2	75-130				
1,1-Dichloroethylene	44.9		"	50.0		89.8	64-137				
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	56.7		"	50.0		113	80-141				
1,2,4-Trimethylbenzene	52.8		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	51.4		"	50.0		103	74-142				
1,2-Dibromoethane	49.2		"	50.0		98.3	86-123				
1,2-Dichlorobenzene	49.5		"	50.0		99.1	85-122				
1,2-Dichloroethane	45.2		"	50.0		90.3	71-133				
1,2-Dichloropropane	48.5		"	50.0		97.0	81-122				
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126				
1,3-Dichlorobenzene	50.8		"	50.0		102	84-124				
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dioxane	1230		"	1050		117	10-228				
2-Butanone	44.8		"	50.0		89.5	58-147				
2-Hexanone	47.3		"	50.0		94.6	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.7	72-132				
Acetone	26.8		"	50.0		53.6	36-155				
Acrolein	37.3		"	50.0		74.6	10-238				
Acrylonitrile	42.7		"	50.0		85.4	66-141				
Benzene	45.0		"	50.0		90.0	77-127				
Bromochloromethane	44.2		"	50.0		88.4	74-129				
Bromodichloromethane	48.9		"	50.0		97.8	81-124				
Bromoform	53.5		"	50.0		107	80-136				
Bromomethane	40.3		"	50.0		80.6	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	46.9		"	50.0		93.8	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	42.4		"	50.0		84.7	51-142				
Chloroform	45.6		"	50.0		91.2	76-131				
Chloromethane	44.9		"	50.0		89.9	49-132				
cis-1,2-Dichloroethylene	45.1		"	50.0		90.2	74-132				
cis-1,3-Dichloropropylene	52.2		"	50.0		104	81-129				
Cyclohexane	36.1		"	50.0		72.1	70-130				
Dibromochloromethane	49.7		"	50.0		99.5	10-200				
Dibromomethane	46.8		"	50.0		93.5	83-124				
Dichlorodifluoromethane	36.1		"	50.0		72.3	28-158				
Ethyl Benzene	49.4		"	50.0		98.7	84-125				
Hexachlorobutadiene	51.4		"	50.0		103	83-133				
Isopropylbenzene	54.4		"	50.0		109	81-127				
Methyl acetate	40.3		"	50.0		80.5	41-143				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131				
Methylcyclohexane	48.3		"	50.0		96.6	70-130				
Methylene chloride	43.5		"	50.0		87.0	57-141				
n-Butylbenzene	51.9		"	50.0		104	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS								Prepared & Analyzed: 02/28/2022			
n-Propylbenzene	51.1		ug/L	50.0		102	74-136				
o-Xylene	51.4		"	50.0		103	83-123				
p- & m- Xylenes	99.2		"	100		99.2	82-128				
p-Isopropyltoluene	53.0		"	50.0		106	85-125				
sec-Butylbenzene	51.8		"	50.0		104	83-125				
Styrene	49.6		"	50.0		99.2	86-126				
tert-Butyl alcohol (TBA)	199		"	250		79.7	70-130				
tert-Butylbenzene	45.9		"	50.0		91.8	80-127				
Tetrachloroethylene	45.6		"	50.0		91.3	80-129				
Toluene	45.8		"	50.0		91.7	85-121				
trans-1,2-Dichloroethylene	44.3		"	50.0		88.6	72-132				
trans-1,3-Dichloropropylene	52.5		"	50.0		105	78-132				
Trichloroethylene	48.4		"	50.0		96.7	84-123				
Trichlorofluoromethane	40.2		"	50.0		80.4	62-140				
Vinyl Chloride	41.8		"	50.0		83.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
LCS Dup (BB22701-BSD1) LCS Dup								Prepared & Analyzed: 02/28/2022			
1,1,1,2-Tetrachloroethane	49.6		ug/L	50.0		99.2	75-129		2.47	30	
1,1,1-Trichloroethane	46.2		"	50.0		92.4	71-137		1.83	30	
1,1,2,2-Tetrachloroethane	51.7		"	50.0		103	79-129		2.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		91.9	58-146		0.830	30	
1,1,2-Trichloroethane	47.3		"	50.0		94.6	83-123		1.45	30	
1,1-Dichloroethane	44.3		"	50.0		88.6	75-130		0.452	30	
1,1-Dichloroethylene	45.2		"	50.0		90.4	64-137		0.622	30	
1,2,3-Trichlorobenzene	54.7		"	50.0		109	81-140		0.329	30	
1,2,3-Trichloropropane	51.4		"	50.0		103	81-126		2.04	30	
1,2,4-Trichlorobenzene	56.2		"	50.0		112	80-141		0.744	30	
1,2,4-Trimethylbenzene	52.9		"	50.0		106	84-125		0.132	30	
1,2-Dibromo-3-chloropropane	53.4		"	50.0		107	74-142		3.91	30	
1,2-Dibromoethane	50.5		"	50.0		101	86-123		2.61	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	85-122		1.70	30	
1,2-Dichloroethane	46.1		"	50.0		92.1	71-133		1.97	30	
1,2-Dichloropropane	49.5		"	50.0		98.9	81-122		1.98	30	
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126		0.136	30	
1,3-Dichlorobenzene	51.5		"	50.0		103	84-124		1.29	30	
1,4-Dichlorobenzene	51.5		"	50.0		103	84-124		0.662	30	
1,4-Dioxane	1330		"	1050		127	10-228		7.93	30	
2-Butanone	45.1		"	50.0		90.3	58-147		0.868	30	
2-Hexanone	48.1		"	50.0		96.3	70-139		1.78	30	
4-Methyl-2-pentanone	50.2		"	50.0		100	72-132		1.67	30	
Acetone	26.5		"	50.0		53.0	36-155		1.20	30	
Acrolein	39.2		"	50.0		78.4	10-238		5.02	30	
Acrylonitrile	45.1		"	50.0		90.2	66-141		5.40	30	
Benzene	45.9		"	50.0		91.8	77-127		2.00	30	
Bromochloromethane	44.6		"	50.0		89.2	74-129		0.901	30	
Bromodichloromethane	49.6		"	50.0		99.2	81-124		1.42	30	
Bromoform	53.5		"	50.0		107	80-136		0.0187	30	
Bromomethane	42.1		"	50.0		84.2	32-177		4.42	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS Dup (BB22701-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
Carbon disulfide	46.6		ug/L	50.0		93.2	10-136		0.0858	30	
Carbon tetrachloride	46.9		"	50.0		93.9	66-143		0.107	30	
Chlorobenzene	51.1		"	50.0		102	86-120		1.88	30	
Chloroethane	42.0		"	50.0		83.9	51-142		0.973	30	
Chloroform	46.0		"	50.0		92.0	76-131		0.874	30	
Chloromethane	43.5		"	50.0		87.1	49-132		3.14	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.2	74-132		3.27	30	
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129		1.54	30	
Cyclohexane	36.5		"	50.0		73.0	70-130		1.21	30	
Dibromochloromethane	50.9		"	50.0		102	10-200		2.40	30	
Dibromomethane	47.7		"	50.0		95.5	83-124		2.10	30	
Dichlorodifluoromethane	35.2		"	50.0		70.4	28-158		2.61	30	
Ethyl Benzene	50.1		"	50.0		100	84-125		1.39	30	
Hexachlorobutadiene	52.5		"	50.0		105	83-133		2.14	30	
Isopropylbenzene	55.2		"	50.0		110	81-127		1.42	30	
Methyl acetate	41.1		"	50.0		82.2	41-143		2.02	30	
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131		0.0799	30	
Methylcyclohexane	49.1		"	50.0		98.1	70-130		1.60	30	
Methylene chloride	43.7		"	50.0		87.4	57-141		0.527	30	
n-Butylbenzene	53.6		"	50.0		107	80-130		3.20	30	
n-Propylbenzene	52.1		"	50.0		104	74-136		1.90	30	
o-Xylene	52.2		"	50.0		104	83-123		1.55	30	
p- & m- Xylenes	101		"	100		101	82-128		1.43	30	
p-Isopropyltoluene	53.2		"	50.0		106	85-125		0.471	30	
sec-Butylbenzene	52.1		"	50.0		104	83-125		0.596	30	
Styrene	50.7		"	50.0		101	86-126		2.15	30	
tert-Butyl alcohol (TBA)	204		"	250		81.6	70-130		2.42	30	
tert-Butylbenzene	46.7		"	50.0		93.4	80-127		1.68	30	
Tetrachloroethylene	46.0		"	50.0		92.0	80-129		0.808	30	
Toluene	47.0		"	50.0		93.9	85-121		2.44	30	
trans-1,2-Dichloroethylene	45.4		"	50.0		90.9	72-132		2.50	30	
trans-1,3-Dichloropropylene	52.3		"	50.0		105	78-132		0.439	30	
Trichloroethylene	49.6		"	50.0		99.3	84-123		2.59	30	
Trichlorofluoromethane	39.3		"	50.0		78.7	62-140		2.14	30	
Vinyl Chloride	41.6		"	50.0		83.2	52-130		0.599	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB22637 - EPA 3546 SVOA

Blank (BB22637-BLK1) Blank — Prepared: 02/25/2022 Analyzed: 02/28/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Blank (BB22637-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*2.42*		"	*1.66*		*146*	*20-108*				
Surrogate: SURR: Phenol-d5	*2.41*		"	*1.66*		*145*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.26*		"	*0.831*		*152*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.19*		"	*0.831*		*143*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.17*		"	*1.66*		*131*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.31*		"	*0.831*		*158*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
LCS (BB22637-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,1-Biphenyl	0.737	0.0416	mg/kg wet	0.831		88.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.731	0.0830	"	0.831		88.0	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.857	0.0416	"	0.831		103	17-137				
2,3,4,6-Tetrachlorophenol	0.888	0.0830	"	0.831		107	30-130				
2,4,5-Trichlorophenol	0.788	0.0416	"	0.831		94.8	27-118				
2,4,6-Trichlorophenol	0.800	0.0416	"	0.831		96.3	31-120				
2,4-Dichlorophenol	0.712	0.0416	"	0.831		85.7	20-127				
2,4-Dimethylphenol	0.736	0.0416	"	0.831		88.6	14-132				
2,4-Dinitrophenol	0.545	0.0830	"	0.831		65.6	10-171				
2,4-Dinitrotoluene	1.03	0.0416	"	0.831		124	34-131				
2,6-Dinitrotoluene	1.00	0.0416	"	0.831		121	31-128				
2-Chloronaphthalene	0.735	0.0416	"	0.831		88.5	31-117				
2-Chlorophenol	0.736	0.0416	"	0.831		88.6	33-113				
2-Methylnaphthalene	0.693	0.0416	"	0.831		83.4	12-138				
2-Methylphenol	0.788	0.0416	"	0.831		94.9	10-136				
2-Nitroaniline	0.925	0.0830	"	0.831		111	27-132				
2-Nitrophenol	0.856	0.0416	"	0.831		103	17-129				
3- & 4-Methylphenols	0.716	0.0416	"	0.831		86.2	29-103				
3,3-Dichlorobenzidine	0.833	0.0416	"	0.831		100	22-149				
3-Nitroaniline	0.644	0.0830	"	0.831		77.6	20-133				
4,6-Dinitro-2-methylphenol	1.02	0.0830	"	0.831		123	10-143				
4-Bromophenyl phenyl ether	0.650	0.0416	"	0.831		78.3	29-120				
4-Chloro-3-methylphenol	0.749	0.0416	"	0.831		90.2	24-129				
4-Chloroaniline	0.355	0.0416	"	0.831		42.8	10-132				
4-Chlorophenyl phenyl ether	0.761	0.0416	"	0.831		91.6	27-124				
4-Nitroaniline	0.871	0.0830	"	0.831		105	16-128				
4-Nitrophenol	1.10	0.0830	"	0.831		132	10-141				
Acenaphthene	0.785	0.0416	"	0.831		94.5	30-121				
Acenaphthylene	0.750	0.0416	"	0.831		90.3	30-115				
Acetophenone	0.698	0.0416	"	0.831		84.0	20-112				
Aniline	0.773	0.166	"	0.831		93.1	10-119				
Anthracene	0.811	0.0416	"	0.831		97.7	34-118				
Atrazine	0.706	0.0416	"	0.831		85.0	26-112				
Benzaldehyde	0.693	0.0416	"	0.831		83.5	21-100				
Benzo(a)anthracene	0.851	0.0416	"	0.831		103	32-122				
Benzo(a)pyrene	0.799	0.0416	"	0.831		96.2	29-133				
Benzo(b)fluoranthene	0.840	0.0416	"	0.831		101	25-133				
Benzo(g,h,i)perylene	0.788	0.0416	"	0.831		94.9	10-143				
Benzo(k)fluoranthene	0.828	0.0416	"	0.831		99.7	25-128				
Benzoic acid	0.127	0.0416	"	0.831		15.3	10-140				
Benzyl alcohol	0.776	0.0416	"	0.831		93.4	30-115				
Benzyl butyl phthalate	0.876	0.0416	"	0.831		105	26-126				
Bis(2-chloroethoxy)methane	0.733	0.0416	"	0.831		88.2	19-132				
Bis(2-chloroethyl)ether	0.746	0.0416	"	0.831		89.8	19-125				
Bis(2-chloroisopropyl)ether	0.909	0.0416	"	0.831		109	20-135				
Bis(2-ethylhexyl)phthalate	0.958	0.0416	"	0.831		115	10-155				
Caprolactam	0.795	0.0830	"	0.831		95.7	10-127				
Carbazole	0.827	0.0416	"	0.831		99.6	35-123				
Chrysene	0.789	0.0416	"	0.831		95.0	32-123				
Dibenzo(a,h)anthracene	0.849	0.0416	"	0.831		102	10-136				
Dibenzofuran	0.771	0.0416	"	0.831		92.8	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
LCS (BB22637-BS1) LCS								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Diethyl phthalate	0.806	0.0416	mg/kg wet	0.831		97.0	34-116				
Dimethyl phthalate	0.792	0.0416	"	0.831		95.3	35-124				
Di-n-butyl phthalate	0.861	0.0416	"	0.831		104	31-116				
Di-n-octyl phthalate	0.909	0.0416	"	0.831		109	26-136				
Diphenylamine	0.806	0.0830	"	0.831		97.0	40-140				
Fluoranthene	0.829	0.0416	"	0.831		99.8	33-122				
Fluorene	0.799	0.0416	"	0.831		96.2	29-123				
Hexachlorobenzene	0.644	0.0416	"	0.831		77.5	21-124				
Hexachlorobutadiene	0.616	0.0416	"	0.831		74.1	10-149				
Hexachlorocyclopentadiene	0.750	0.0416	"	0.831		90.3	10-129				
Hexachloroethane	0.675	0.0416	"	0.831		81.3	28-108				
Indeno(1,2,3-cd)pyrene	0.781	0.0416	"	0.831		94.1	10-135				
Isophorone	0.780	0.0416	"	0.831		94.0	20-132				
Naphthalene	0.692	0.0416	"	0.831		83.3	23-124				
Nitrobenzene	0.775	0.0416	"	0.831		93.3	13-132				
N-Nitrosodimethylamine	0.886	0.0416	"	0.831		107	11-129				
N-nitroso-di-n-propylamine	0.823	0.0416	"	0.831		99.0	24-119				
N-Nitrosodiphenylamine	0.783	0.0416	"	0.831		94.2	22-152				
Pentachlorophenol	0.708	0.0416	"	0.831		85.2	10-139				
Phenanthrene	0.749	0.0416	"	0.831		90.1	33-123				
Phenol	0.788	0.0416	"	0.831		94.9	23-115				
Pyrene	0.793	0.0416	"	0.831		95.4	24-130				
Pyridine	0.775	0.166	"	0.831		93.3	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.57*		"	*1.66*		*94.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.54*		"	*1.66*		*92.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.817*		"	*0.831*		*98.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.740*		"	*0.831*		*89.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.51*		"	*1.66*		*91.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.818*		"	*0.831*		*98.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike (BB22637-MS1) Matrix Spike	*Source sample: 22B1165-07 (Matrix Spike)							Prepared: 02/25/2022 Analyzed: 02/28/2022			
1,1-Biphenyl	0.704	0.0939	mg/kg dry	0.939	ND	75.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.644	0.188	"	0.939	ND	68.6	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.705	0.0939	"	0.939	ND	75.1	10-144				
2,3,4,6-Tetrachlorophenol	0.312	0.188	"	0.939	ND	33.2	30-130				
2,4,5-Trichlorophenol	0.633	0.0939	"	0.939	ND	67.4	10-127				
2,4,6-Trichlorophenol	0.448	0.0939	"	0.939	ND	47.8	10-132				
2,4-Dichlorophenol	0.662	0.0939	"	0.939	ND	70.6	10-128				
2,4-Dimethylphenol	0.704	0.0939	"	0.939	ND	75.0	10-137				
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.864	0.0939	"	0.939	ND	92.0	16-135				
2,6-Dinitrotoluene	0.891	0.0939	"	0.939	ND	94.9	18-131				
2-Chloronaphthalene	0.657	0.0939	"	0.939	ND	70.0	10-129				
2-Chlorophenol	0.662	0.0939	"	0.939	ND	70.6	15-116				
2-Methylnaphthalene	0.675	0.0939	"	0.939	0.0523	66.4	10-147				
2-Methylphenol	0.750	0.0939	"	0.939	ND	79.9	10-136				
2-Nitroaniline	0.875	0.188	"	0.939	ND	93.2	10-137				
2-Nitrophenol	0.692	0.0939	"	0.939	ND	73.7	10-129				
3- & 4-Methylphenols	0.692	0.0939	"	0.939	ND	73.7	10-123				
3,3-Dichlorobenzidine	0.427	0.0939	"	0.939	ND	45.5	10-155				
3-Nitroaniline	0.655	0.188	"	0.939	ND	69.8	12-133				
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.562	0.0939	"	0.939	ND	59.8	14-128				
4-Chloro-3-methylphenol	0.755	0.0939	"	0.939	ND	80.5	10-134				
4-Chloroaniline	0.342	0.0939	"	0.939	ND	36.5	10-145				
4-Chlorophenyl phenyl ether	0.673	0.0939	"	0.939	ND	71.7	14-130				
4-Nitroaniline	0.722	0.188	"	0.939	ND	76.9	10-147				
4-Nitrophenol	0.398	0.188	"	0.939	ND	42.4	10-137				
Acenaphthene	0.751	0.0939	"	0.939	0.0515	74.5	10-146				
Acenaphthylene	0.718	0.0939	"	0.939	0.0501	71.1	10-134				
Acetophenone	0.673	0.0939	"	0.939	ND	71.7	10-116				
Aniline	0.507	0.376	"	0.939	ND	54.0	10-123				
Anthracene	0.912	0.0939	"	0.939	0.133	82.9	10-142				
Atrazine	0.650	0.0939	"	0.939	ND	69.3	19-115				
Benzaldehyde	0.711	0.0939	"	0.939	ND	75.8	10-125				
Benzo(a)anthracene	1.04	0.0939	"	0.939	0.262	82.7	10-158				
Benzo(a)pyrene	1.04	0.0939	"	0.939	0.266	82.1	10-180				
Benzo(b)fluoranthene	1.02	0.0939	"	0.939	0.233	83.4	10-200				
Benzo(g,h,i)perylene	0.852	0.0939	"	0.939	0.174	72.2	10-138				
Benzo(k)fluoranthene	0.964	0.0939	"	0.939	0.188	82.6	10-197				
Benzoic acid	ND	0.0939	"	0.939	ND		10-166	Low Bias			
Benzyl alcohol	0.710	0.0939	"	0.939	ND	75.7	12-124				
Benzyl butyl phthalate	0.856	0.0939	"	0.939	ND	91.2	10-154				
Bis(2-chloroethoxy)methane	0.658	0.0939	"	0.939	ND	70.1	10-132				
Bis(2-chloroethyl)ether	0.671	0.0939	"	0.939	ND	71.4	10-119				
Bis(2-chloroisopropyl)ether	0.870	0.0939	"	0.939	ND	92.6	10-139				
Bis(2-ethylhexyl)phthalate	1.00	0.0939	"	0.939	0.110	95.2	10-167				
Caprolactam	0.828	0.188	"	0.939	ND	88.2	10-132				
Carbazole	0.850	0.0939	"	0.939	ND	90.6	10-167				
Chrysene	0.977	0.0939	"	0.939	0.258	76.6	10-156				
Dibenzo(a,h)anthracene	0.0503	0.0939	"	0.939	ND	5.36	10-137	Low Bias			
Dibenzofuran	0.719	0.0939	"	0.939	ND	76.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike (BB22637-MS1) Matrix Spike	*Source sample: 22B1165-07 (Matrix Spike)							Prepared: 02/25/2022 Analyzed: 02/28/2022			
Diethyl phthalate	0.728	0.0939	mg/kg dry	0.939	ND	77.5	20-120				
Dimethyl phthalate	0.695	0.0939	"	0.939	ND	74.0	18-131				
Di-n-butyl phthalate	0.847	0.0939	"	0.939	ND	90.2	10-137				
Di-n-octyl phthalate	0.942	0.0939	"	0.939	ND	100	10-180				
Diphenylamine	0.737	0.188	"	0.939	ND	78.5	40-140				
Fluoranthene	1.29	0.0939	"	0.939	0.543	79.6	10-160				
Fluorene	0.785	0.0939	"	0.939	0.0677	76.4	10-157				
Hexachlorobenzene	0.594	0.0939	"	0.939	ND	63.3	10-137				
Hexachlorobutadiene	0.514	0.0939	"	0.939	ND	54.8	10-132				
Hexachlorocyclopentadiene	0.0661	0.0939	"	0.939	ND	7.04	10-106	Low Bias			
Hexachloroethane	0.562	0.0939	"	0.939	ND	59.9	10-110				
Indeno(1,2,3-cd)pyrene	0.899	0.0939	"	0.939	0.181	76.5	10-144				
Isophorone	0.715	0.0939	"	0.939	ND	76.2	10-132				
Naphthalene	0.669	0.0939	"	0.939	0.0707	63.8	10-141				
Nitrobenzene	0.701	0.0939	"	0.939	ND	74.6	10-131				
N-Nitrosodimethylamine	0.761	0.0939	"	0.939	ND	81.0	10-126				
N-nitroso-di-n-propylamine	0.765	0.0939	"	0.939	ND	81.5	10-125				
N-Nitrosodiphenylamine	0.743	0.0939	"	0.939	ND	79.1	10-177				
Pentachlorophenol	0.204	0.0939	"	0.939	ND	21.7	10-153				
Phenanthrene	1.03	0.0939	"	0.939	0.380	69.4	10-148				
Phenol	0.732	0.0939	"	0.939	ND	78.0	10-126				
Pyrene	1.15	0.0939	"	0.939	0.466	73.2	10-165				
Pyridine	0.597	0.376	"	0.939	ND	63.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.36*		*"*	*1.88*		*72.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.50*		*"*	*1.88*		*80.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.761*		*"*	*0.939*		*81.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.659*		*"*	*0.939*		*70.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.854*		*"*	*1.88*		*45.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.743*		*"*	*0.939*		*79.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22637 - EPA 3546 SVOA

Matrix Spike Dup (BB22637-M Matrix Spike Dup *Source sample: 22B1165-07 (Matrix Spike Dup) Prepared: 02/25/2022 Analyzed: 02/28/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.786	0.0939	mg/kg dry	0.939	ND	83.8	10-130		11.0	30	
1,2,4,5-Tetrachlorobenzene	0.700	0.188	"	0.939	ND	74.6	10-133		8.27	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.738	0.0939	"	0.939	ND	78.6	10-144		4.58	30	
2,3,4,6-Tetrachlorophenol	0.387	0.188	"	0.939	ND	41.2	30-130		21.5	30	
2,4,5-Trichlorophenol	0.691	0.0939	"	0.939	ND	73.6	10-127		8.74	30	
2,4,6-Trichlorophenol	0.514	0.0939	"	0.939	ND	54.7	10-132		13.6	30	
2,4-Dichlorophenol	0.718	0.0939	"	0.939	ND	76.5	10-128		8.05	30	
2,4-Dimethylphenol	0.773	0.0939	"	0.939	ND	82.3	10-137		9.36	30	
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.841	0.0939	"	0.939	ND	89.6	16-135		2.64	30	
2,6-Dinitrotoluene	0.888	0.0939	"	0.939	ND	94.6	18-131		0.253	30	
2-Chloronaphthalene	0.727	0.0939	"	0.939	ND	77.4	10-129		10.1	30	
2-Chlorophenol	0.698	0.0939	"	0.939	ND	74.3	15-116		5.19	30	
2-Methylnaphthalene	0.761	0.0939	"	0.939	0.0523	75.5	10-147		11.9	30	
2-Methylphenol	0.812	0.0939	"	0.939	ND	86.5	10-136		7.88	30	
2-Nitroaniline	1.03	0.188	"	0.939	ND	110	10-137		16.5	30	
2-Nitrophenol	0.617	0.0939	"	0.939	ND	65.8	10-129		11.4	30	
3- & 4-Methylphenols	0.744	0.0939	"	0.939	ND	79.3	10-123		7.32	30	
3,3-Dichlorobenzidine	0.516	0.0939	"	0.939	ND	55.0	10-155		18.8	30	
3-Nitroaniline	0.869	0.188	"	0.939	ND	92.6	12-133		28.1	30	
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.611	0.0939	"	0.939	ND	65.1	14-128		8.45	30	
4-Chloro-3-methylphenol	0.851	0.0939	"	0.939	ND	90.6	10-134		11.9	30	
4-Chloroaniline	0.439	0.0939	"	0.939	ND	46.8	10-145		24.8	30	
4-Chlorophenyl phenyl ether	0.748	0.0939	"	0.939	ND	79.7	14-130		10.6	30	
4-Nitroaniline	0.965	0.188	"	0.939	ND	103	10-147		28.9	30	
4-Nitrophenol	0.409	0.188	"	0.939	ND	43.5	10-137		2.61	30	
Acenaphthene	0.857	0.0939	"	0.939	0.0515	85.8	10-146		13.2	30	
Acenaphthylene	0.808	0.0939	"	0.939	0.0501	80.7	10-134		11.8	30	
Acetophenone	0.717	0.0939	"	0.939	ND	76.4	10-116		6.37	30	
Aniline	0.527	0.376	"	0.939	ND	56.2	10-123		3.92	30	
Anthracene	1.04	0.0939	"	0.939	0.133	96.1	10-142		12.7	30	
Atrazine	0.726	0.0939	"	0.939	ND	77.4	19-115		11.0	30	
Benzaldehyde	0.739	0.0939	"	0.939	ND	78.7	10-125		3.83	30	
Benzo(a)anthracene	1.21	0.0939	"	0.939	0.262	101	10-158		15.6	30	
Benzo(a)pyrene	1.18	0.0939	"	0.939	0.266	97.2	10-180		12.8	30	
Benzo(b)fluoranthene	1.14	0.0939	"	0.939	0.233	97.1	10-200		12.0	30	
Benzo(g,h,i)perylene	0.893	0.0939	"	0.939	0.174	76.6	10-138		4.74	30	
Benzo(k)fluoranthene	1.10	0.0939	"	0.939	0.188	97.4	10-197		13.4	30	
Benzoic acid	0.0916	0.0939	"	0.939	ND	9.76	10-166	Low Bias		30	
Benzyl alcohol	0.723	0.0939	"	0.939	ND	77.0	12-124		1.78	30	
Benzyl butyl phthalate	0.979	0.0939	"	0.939	ND	104	10-154		13.3	30	
Bis(2-chloroethoxy)methane	0.694	0.0939	"	0.939	ND	73.9	10-132		5.33	30	
Bis(2-chloroethyl)ether	0.691	0.0939	"	0.939	ND	73.6	10-119		2.98	30	
Bis(2-chloroisopropyl)ether	0.901	0.0939	"	0.939	ND	96.0	10-139		3.56	30	
Bis(2-ethylhexyl)phthalate	1.13	0.0939	"	0.939	0.110	108	10-167		11.6	30	
Caprolactam	0.951	0.188	"	0.939	ND	101	10-132		13.8	30	
Carbazole	0.948	0.0939	"	0.939	ND	101	10-167		10.9	30	
Chrysene	1.12	0.0939	"	0.939	0.258	92.4	10-156		14.1	30	
Dibenzo(a,h)anthracene	0.915	0.0939	"	0.939	ND	97.5	10-137		179	30	Non-dir.
Dibenzofuran	0.815	0.0939	"	0.939	ND	86.8	10-147		12.4	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike Dup (BB22637-M Matrix Spike Dup	*Source sample: 22B1165-07 (Matrix Spike Dup)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Diethyl phthalate	0.801	0.0939	mg/kg dry	0.939	ND	85.3	20-120		9.53	30	
Dimethyl phthalate	0.758	0.0939	"	0.939	ND	80.7	18-131		8.69	30	
Di-n-butyl phthalate	0.957	0.0939	"	0.939	ND	102	10-137		12.2	30	
Di-n-octyl phthalate	1.06	0.0939	"	0.939	ND	113	10-180		11.8	30	
Diphenylamine	0.801	0.188	"	0.939	ND	85.3	40-140		8.30	30	
Fluoranthene	1.57	0.0939	"	0.939	0.543	109	10-160		19.2	30	
Fluorene	0.896	0.0939	"	0.939	0.0677	88.2	10-157		13.2	30	
Hexachlorobenzene	0.639	0.0939	"	0.939	ND	68.1	10-137		7.31	30	
Hexachlorobutadiene	0.553	0.0939	"	0.939	ND	59.0	10-132		7.31	30	
Hexachlorocyclopentadiene	ND	0.0939	"	0.939	ND		10-106	Low Bias		30	
Hexachloroethane	0.526	0.0939	"	0.939	ND	56.1	10-110		6.62	30	
Indeno(1,2,3-cd)pyrene	0.964	0.0939	"	0.939	0.181	83.3	10-144		6.94	30	
Isophorone	0.777	0.0939	"	0.939	ND	82.8	10-132		8.35	30	
Naphthalene	0.757	0.0939	"	0.939	0.0707	73.1	10-141		12.3	30	
Nitrobenzene	0.734	0.0939	"	0.939	ND	78.2	10-131		4.71	30	
N-Nitrosodimethylamine	0.796	0.0939	"	0.939	ND	84.8	10-126		4.53	30	
N-nitroso-di-n-propylamine	0.795	0.0939	"	0.939	ND	84.6	10-125		3.76	30	
N-Nitrosodiphenylamine	0.820	0.0939	"	0.939	ND	87.4	10-177		9.90	30	
Pentachlorophenol	0.217	0.0939	"	0.939	ND	23.1	10-153		6.43	30	
Phenanthrene	1.23	0.0939	"	0.939	0.380	91.0	10-148		17.9	30	
Phenol	0.781	0.0939	"	0.939	ND	83.2	10-126		6.45	30	
Pyrene	1.39	0.0939	"	0.939	0.466	98.7	10-165		18.8	30	
Pyridine	0.658	0.376	"	0.939	ND	70.1	10-83		9.69	30	
Surrogate: SURR: 2-Fluorophenol	*1.43*		"	*1.88*		*76.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.61*		"	*1.88*		*85.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.790*		"	*0.939*		*84.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.716*		"	*0.939*		*76.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.967*		"	*1.88*		*51.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.844*		"	*0.939*		*89.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22638 - EPA 3550C											
Blank (BB22638-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*39-127.5*				
LCS (BB22638-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	545	19.8	ug/kg	495		110	40-130				
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*39-127.5*				
Matrix Spike (BB22638-MS1) Matrix Spike *Source sample: 22B0984-17 (Matrix Spike)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	543	19.8	ug/kg	495	ND	110	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BB22638-M Matrix Spike Dup *Source sample: 22B0984-17 (Matrix Spike Dup)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	514	19.8	ug/kg	495	ND	104	40-130		5.44	30	
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*40-130*				

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

York Analytical Laboratories, Inc.

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

Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB22627-BLK1) Blank — Prepared: 02/25/2022 Analyzed: 03/01/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.229	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.229	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.229	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.229	"								
Perfluorooctanoic acid (PFOA)	ND	0.229	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.229	"								
Perfluorononanoic acid (PFNA)	ND	0.229	"								
Perfluorodecanoic acid (PFDA)	ND	0.229	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.229	"								
Perfluorododecanoic acid (PFDoA)	ND	0.229	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.229	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.229	"								
N-MeFOSAA	ND	0.229	"								
N-EtFOSAA	ND	0.229	"								
Perfluoropentanoic acid (PFPeA)	ND	0.229	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.229	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.229	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.229	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.229	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.229	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.229	"								
Surrogate: M3PFBS	*3.45*		"	*4.25*		*81.2*	*25-150*				
Surrogate: M5PFHxA	*3.82*		"	*4.57*		*83.6*	*25-150*				
Surrogate: M4PFHpA	*3.60*		"	*4.57*		*78.8*	*25-150*				
Surrogate: M3PFHxS	*3.72*		"	*4.32*		*86.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.57*		"	*4.57*		*78.1*	*25-150*				
Surrogate: M6PFDA	*4.46*		"	*4.57*		*97.6*	*25-150*				
Surrogate: M7PFUdA	*2.69*		"	*4.57*		*58.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.54*		"	*4.57*		*55.5*	*25-150*				
Surrogate: M2PFTeDA	*2.35*		"	*4.57*		*51.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.47*		"	*4.57*		*75.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.55*		"	*4.37*		*81.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.87*		"	*4.57*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.80*		"	*4.57*		*61.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.40*		"	*4.57*		*74.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.10*		"	*4.57*		*67.9*	*25-150*				
Surrogate: M2-6:2 FTS	*3.10*		"	*4.34*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*3.57*		"	*4.38*		*81.5*	*25-200*				
Surrogate: M9PFNA	*3.63*		"	*4.57*		*79.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB22627-BS1) LCS									Prepared: 02/25/2022 Analyzed: 03/01/2022		
Perfluorobutanesulfonic acid (PFBS)	4.20	0.231	ug/kg wet	4.10		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.17	0.231	"	4.63		90.1	50-130				
Perfluoroheptanoic acid (PFHpA)	4.86	0.231	"	4.63		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.83	0.231	"	4.21		90.9	50-130				
Perfluorooctanoic acid (PFOA)	4.93	0.231	"	4.63		107	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.40	0.231	"	4.28		103	50-130				
Perfluorononanoic acid (PFNA)	4.53	0.231	"	4.63		98.0	50-130				
Perfluorodecanoic acid (PFDA)	4.06	0.231	"	4.63		87.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.21	0.231	"	4.63		90.9	50-130				
Perfluorododecanoic acid (PFDoA)	4.56	0.231	"	4.63		98.5	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.50	0.231	"	4.63		97.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.44	0.231	"	4.63		96.0	50-130				
N-MeFOSAA	4.27	0.231	"	4.63		92.2	50-130				
N-EtFOSAA	4.01	0.231	"	4.63		86.6	50-130				
Perfluoropentanoic acid (PFPeA)	4.86	0.231	"	4.63		105	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.22	0.231	"	4.63		91.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.43	0.231	"	4.42		123	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.65	0.231	"	4.47		81.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.17	0.231	"	4.40		72.2	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.25	0.231	"	4.44		73.2	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.67	0.231	"	4.63		101	50-130				
Surrogate: M3PFBS	*4.02*		*"*	*4.30*		*93.5*	*25-150*				
Surrogate: M5PFHxA	*4.61*		*"*	*4.63*		*99.7*	*25-150*				
Surrogate: M4PFHpA	*4.18*		*"*	*4.63*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*4.29*		*"*	*4.38*		*97.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.90*		*"*	*4.63*		*84.4*	*25-150*				
Surrogate: M6PFDA	*4.48*		*"*	*4.63*		*96.7*	*25-150*				
Surrogate: M7PFUdA	*3.70*		*"*	*4.63*		*79.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.30*		*"*	*4.63*		*71.4*	*25-150*				
Surrogate: M2PFTeDA	*3.23*		*"*	*4.63*		*69.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.06*		*"*	*4.63*		*87.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.98*		*"*	*4.43*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.97*		*"*	*4.63*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.73*		*"*	*4.63*		*80.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.32*		*"*	*4.63*		*93.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.16*		*"*	*4.63*		*89.8*	*25-150*				
Surrogate: M2-6:2 FTS	*5.54*		*"*	*4.39*		*126*	*25-200*				
Surrogate: M2-8:2 FTS	*4.82*		*"*	*4.43*		*109*	*25-200*				
Surrogate: M9PFNA	*4.16*		*"*	*4.63*		*89.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB22627-MS1) Matrix Spike	*Source sample: 22B1120-02 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 03/01/2022		
Perfluorobutanesulfonic acid (PFBS)	4.87	0.283	ug/kg dry	5.01	ND	97.1	25-150				
Perfluorohexanoic acid (PFHxA)	5.17	0.283	"	5.66	ND	91.3	25-150				
Perfluoroheptanoic acid (PFHpA)	5.41	0.283	"	5.66	ND	95.5	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.36	0.283	"	5.15	ND	84.6	25-150				
Perfluorooctanoic acid (PFOA)	5.87	0.283	"	5.66	ND	104	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.59	0.283	"	5.24	ND	107	25-150				
Perfluorononanoic acid (PFNA)	5.01	0.283	"	5.66	ND	88.5	25-150				
Perfluorodecanoic acid (PFDA)	4.05	0.283	"	5.66	ND	71.5	25-150				
Perfluoroundecanoic acid (PFUnA)	5.86	0.283	"	5.66	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	5.24	0.283	"	5.66	ND	92.4	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.61	0.283	"	5.66	ND	81.4	25-150				
Perfluorotetradecanoic acid (PFTA)	5.22	0.283	"	5.66	ND	92.2	25-150				
N-MeFOSAA	5.67	0.283	"	5.66	ND	100	25-150				
N-EtFOSAA	4.73	0.283	"	5.66	ND	83.5	25-150				
Perfluoropentanoic acid (PFPeA)	5.04	0.283	"	5.66	ND	89.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.53	0.283	"	5.66	ND	97.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.43	0.283	"	5.41	ND	100	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.62	0.283	"	5.47	ND	84.4	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.15	0.283	"	5.38	ND	95.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.90	0.283	"	5.44	ND	108	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.26	0.283	"	5.66	ND	92.8	25-150				
Surrogate: M3PFBS	*4.75*		*"*	*5.26*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*5.19*		*"*	*5.66*		*91.6*	*25-150*				
Surrogate: M4PFHpA	*4.73*		*"*	*5.66*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*4.92*		*"*	*5.36*		*91.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.48*		*"*	*5.66*		*79.1*	*25-150*				
Surrogate: M6PFDA	*6.20*		*"*	*5.66*		*109*	*25-150*				
Surrogate: M7PFUdA	*3.91*		*"*	*5.66*		*69.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.09*		*"*	*5.66*		*72.3*	*25-150*				
Surrogate: M2PFTeDA	*3.67*		*"*	*5.66*		*64.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.73*		*"*	*5.66*		*83.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.73*		*"*	*5.42*		*87.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.17*		*"*	*5.66*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.06*		*"*	*5.66*		*71.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.53*		*"*	*5.66*		*97.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.90*		*"*	*5.66*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*5.66*		*"*	*5.38*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*4.45*		*"*	*5.43*		*82.1*	*25-200*				
Surrogate: M9PFNA	*4.95*		*"*	*5.66*		*87.3*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB22627-M Matrix Spike Dup *Source sample: 22B1120-02 (Matrix Spike Dup) Prepared: 02/25/2022 Analyzed: 03/01/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.30	0.297	ug/kg dry	5.25	ND	101	25-150		8.48	35	
Perfluorohexanoic acid (PFHxA)	5.94	0.297	"	5.94	ND	100	25-150		13.8	35	
Perfluoroheptanoic acid (PFHpA)	6.29	0.297	"	5.94	ND	106	25-150		15.1	35	
Perfluorohexanesulfonic acid (PFHxS)	4.78	0.297	"	5.40	ND	88.4	25-150		9.13	35	
Perfluorooctanoic acid (PFOA)	5.66	0.297	"	5.94	ND	95.3	25-150		3.69	35	
Perfluorooctanesulfonic acid (PFOS)	5.27	0.297	"	5.49	ND	96.0	25-150		5.83	35	
Perfluorononanoic acid (PFNA)	5.90	0.297	"	5.94	ND	99.3	25-150		16.3	35	
Perfluorodecanoic acid (PFDA)	4.84	0.297	"	5.94	ND	81.6	25-150		17.8	35	
Perfluoroundecanoic acid (PFUnA)	5.39	0.297	"	5.94	ND	90.8	25-150		8.37	35	
Perfluorododecanoic acid (PFDoA)	6.17	0.297	"	5.94	ND	104	25-150		16.4	35	
Perfluorotridecanoic acid (PFTrDA)	4.88	0.297	"	5.94	ND	82.3	25-150		5.70	35	
Perfluorotetradecanoic acid (PFTA)	5.70	0.297	"	5.94	ND	96.0	25-150		8.81	35	
N-MeFOSAA	6.25	0.297	"	5.94	ND	105	25-150		9.72	35	
N-EtFOSAA	5.45	0.297	"	5.94	ND	91.8	25-150		14.1	35	
Perfluoropentanoic acid (PFPeA)	5.62	0.297	"	5.94	ND	94.7	25-150		10.9	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.64	0.297	"	5.94	ND	95.0	25-150		1.98	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.51	0.297	"	5.67	ND	97.2	25-150		1.58	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.36	0.297	"	5.73	ND	76.0	25-150		5.80	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.97	0.297	"	5.64	ND	88.2	25-200		3.53	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.45	0.297	"	5.70	ND	95.7	25-200		7.84	35	
Perfluoro-n-butanoic acid (PFBA)	5.88	0.297	"	5.94	ND	99.1	25-150		11.2	35	
Surrogate: M3PFBS	*4.94*		"	*5.51*		*89.6*	*25-150*				
Surrogate: M5PFHxA	*5.31*		"	*5.94*		*89.5*	*25-150*				
Surrogate: M4PFHpA	*4.87*		"	*5.94*		*82.0*	*25-150*				
Surrogate: M3PFHxS	*5.14*		"	*5.62*		*91.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.50*		"	*5.94*		*92.7*	*25-150*				
Surrogate: M6PFDA	*5.87*		"	*5.94*		*98.9*	*25-150*				
Surrogate: M7PFUdA	*4.90*		"	*5.94*		*82.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.12*		"	*5.94*		*69.4*	*25-150*				
Surrogate: M2PFTeDA	*3.66*		"	*5.94*		*61.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.88*		"	*5.94*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.57*		"	*5.68*		*98.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.23*		"	*5.94*		*88.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.52*		"	*5.94*		*76.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.78*		"	*5.94*		*97.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*6.16*		"	*5.94*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*6.51*		"	*5.63*		*116*	*25-200*				
Surrogate: M2-8:2 FTS	*6.02*		"	*5.69*		*106*	*25-200*				
Surrogate: M9PFNA	*5.17*		"	*5.94*		*87.1*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB22725-BLK1) Blank								Prepared & Analyzed: 02/28/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*68.3*		"	*74.3*		*91.9*	*25-150*				
Surrogate: M5PFHxA	*76.5*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*75.1*		"	*80.0*		*93.9*	*25-150*				
Surrogate: M3PFHxS	*75.6*		"	*75.7*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.6*		"	*80.0*		*99.5*	*25-150*				
Surrogate: M6PFDA	*83.2*		"	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*74.1*		"	*80.0*		*92.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*67.3*		"	*80.0*		*84.1*	*25-150*				
Surrogate: M2PFTeDA	*57.7*		"	*80.0*		*72.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.4*		"	*80.0*		*86.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.6*		"	*76.6*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.9*		"	*80.0*		*89.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.7*		"	*80.0*		*59.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*97.5*		"	*80.0*		*122*	*25-150*				
Surrogate: d5-N-EtFOSAA	*109*		"	*80.0*		*136*	*25-150*				
Surrogate: M2-6:2 FTS	*86.0*		"	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*90.5*		"	*76.6*		*118*	*25-200*				
Surrogate: M9PFNA	*77.3*		"	*80.0*		*96.6*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB22725-BS1) LCS							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	71.3	2.00	ng/L	70.8		101	50-130				
Perfluorohexanoic acid (PFHxA)	70.3	2.00	"	80.0		87.8	50-130				
Perfluoroheptanoic acid (PFHpA)	70.1	2.00	"	80.0		87.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.5	2.00	"	72.8		87.2	50-130				
Perfluorooctanoic acid (PFOA)	62.2	2.00	"	80.0		77.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.9	2.00	"	74.0		99.9	50-130				
Perfluorononanoic acid (PFNA)	73.7	2.00	"	80.0		92.1	50-130				
Perfluorodecanoic acid (PFDA)	71.3	2.00	"	80.0		89.1	50-130				
Perfluoroundecanoic acid (PFUnA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorododecanoic acid (PFDoA)	69.7	2.00	"	80.0		87.1	50-130				
Perfluorotridecanoic acid (PFTrDA)	61.8	2.00	"	80.0		77.2	50-130				
Perfluorotetradecanoic acid (PFTA)	66.2	2.00	"	80.0		82.8	50-130				
N-MeFOSAA	68.6	2.00	"	80.0		85.8	50-130				
N-EtFOSAA	76.6	2.00	"	80.0		95.7	50-130				
Perfluoropentanoic acid (PFPeA)	74.3	2.00	"	80.0		92.8	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.4	2.00	"	80.0		95.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	84.5	2.00	"	76.4		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	2.00	"	77.2		87.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	62.3	5.00	"	76.0		82.0	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.0	2.00	"	76.8		92.5	50-175				
Perfluoro-n-butanoic acid (PFBA)	74.4	2.00	"	80.0		93.0	50-130				
Surrogate: M3PFBS	*68.5*		*"*	*74.3*		*92.2*	*25-150*				
Surrogate: M5PFHxA	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*81.2*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*78.0*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*94.8*		*"*	*80.0*		*118*	*25-150*				
Surrogate: M6PFDA	*81.9*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M7PFUdA	*83.3*		*"*	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: M2PFTeDA	*68.5*		*"*	*80.0*		*85.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.0*		*"*	*80.0*		*90.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.8*		*"*	*76.6*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.7*		*"*	*80.0*		*94.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.7*		*"*	*80.0*		*65.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*109*		*"*	*80.0*		*136*	*25-150*				
Surrogate: d5-N-EtFOSAA	*118*		*"*	*80.0*		*147*	*25-150*				
Surrogate: M2-6:2 FTS	*105*		*"*	*75.9*		*138*	*25-200*				
Surrogate: M2-8:2 FTS	*125*		*"*	*76.6*		*163*	*25-200*				
Surrogate: M9PFNA	*80.1*		*"*	*80.0*		*100*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB22725-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	69.3	2.00	ng/L	70.8		97.8	50-130		2.95	30	
Perfluorohexanoic acid (PFHxA)	72.0	2.00	"	80.0		90.1	50-130		2.49	30	
Perfluoroheptanoic acid (PFHpA)	74.5	2.00	"	80.0		93.1	50-130		6.15	30	
Perfluorohexanesulfonic acid (PFHxS)	63.0	2.00	"	72.8		86.5	50-130		0.798	30	
Perfluorooctanoic acid (PFOA)	70.8	2.00	"	80.0		88.5	50-130		13.0	30	
Perfluorooctanesulfonic acid (PFOS)	82.2	2.00	"	74.0		111	50-130		10.6	30	
Perfluorononanoic acid (PFNA)	75.7	2.00	"	80.0		94.7	50-130		2.73	30	
Perfluorodecanoic acid (PFDA)	66.8	2.00	"	80.0		83.5	50-130		6.54	30	
Perfluoroundecanoic acid (PFUnA)	70.6	2.00	"	80.0		88.3	50-130		9.49	30	
Perfluorododecanoic acid (PFDoA)	74.1	2.00	"	80.0		92.7	50-130		6.17	30	
Perfluorotridecanoic acid (PFTrDA)	68.1	2.00	"	80.0		85.1	50-130		9.63	30	
Perfluorotetradecanoic acid (PFTA)	75.4	2.00	"	80.0		94.2	50-130		12.9	30	
N-MeFOSAA	77.3	2.00	"	80.0		96.7	50-130		11.9	30	
N-EtFOSAA	82.1	2.00	"	80.0		103	50-130		6.99	30	
Perfluoropentanoic acid (PFPeA)	77.9	2.00	"	80.0		97.3	50-130		4.72	30	
Perfluoro-1-octanesulfonamide (FOSA)	81.8	2.00	"	80.0		102	50-130		6.89	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.6	2.00	"	76.4		104	50-130		5.97	30	
Perfluoro-1-decanesulfonic acid (PFDS)	67.5	2.00	"	77.2		87.5	50-130		0.410	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	49.3	5.00	"	76.0		64.9	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	2.00	"	76.8		89.1	50-175		3.72	30	
Perfluoro-n-butanoic acid (PFBA)	77.0	2.00	"	80.0		96.2	50-130		3.39	30	
Surrogate: M3PFBS	*64.1*		"	*74.3*		*86.3*	*25-150*				
Surrogate: M5PFHxA	*72.9*		"	*80.0*		*91.1*	*25-150*				
Surrogate: M4PFHpA	*69.2*		"	*80.0*		*86.5*	*25-150*				
Surrogate: M3PFHxS	*70.1*		"	*75.7*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.1*		"	*80.0*		*90.2*	*25-150*				
Surrogate: M6PFDA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M7PFUdA	*73.1*		"	*80.0*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.9*		"	*80.0*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*58.3*		"	*80.0*		*72.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4*		"	*80.0*		*79.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.9*		"	*76.6*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.1*		"	*80.0*		*81.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.8*		"	*80.0*		*58.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*90.2*		"	*80.0*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*83.4*		"	*80.0*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*106*		"	*75.9*		*140*	*25-200*				
Surrogate: M2-8:2 FTS	*88.8*		"	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*70.0*		"	*80.0*		*87.5*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22636 - EPA 3550C											
Blank (BB22636-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0426*		*"*	*0.0664*		*64.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0484*		*"*	*0.0664*		*72.8*	*30-150*				
LCS (BB22636-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
4,4'-DDD	0.0328	0.00164	mg/kg wet	0.0332		98.7	40-140				
4,4'-DDE	0.0312	0.00164	"	0.0332		93.8	40-140				
4,4'-DDT	0.0138	0.00164	"	0.0332		41.4	40-140				
Aldrin	0.0380	0.00164	"	0.0332		114	40-140				
alpha-BHC	0.0430	0.00164	"	0.0332		129	40-140				
alpha-Chlordane	0.0345	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0374	0.00164	"	0.0332		113	40-140				
delta-BHC	0.0385	0.00164	"	0.0332		116	40-140				
Dieldrin	0.0337	0.00164	"	0.0332		101	40-140				
Endosulfan I	0.0357	0.00164	"	0.0332		107	40-140				
Endosulfan II	0.0312	0.00164	"	0.0332		94.0	40-140				
Endosulfan sulfate	0.0270	0.00164	"	0.0332		81.3	40-140				
Endrin	0.0267	0.00164	"	0.0332		80.4	40-140				
Endrin aldehyde	0.0374	0.00164	"	0.0332		113	40-140				
Endrin ketone	0.0351	0.00164	"	0.0332		106	40-140				
gamma-BHC (Lindane)	0.0405	0.00164	"	0.0332		122	40-140				
gamma-Chlordane	0.0350	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0286	0.00164	"	0.0332		86.2	40-140				
Heptachlor epoxide	0.0362	0.00164	"	0.0332		109	40-140				
Methoxychlor	0.0178	0.00164	"	0.0332		53.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0416*		*"*	*0.0664*		*62.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0479*		*"*	*0.0664*		*72.0*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix									Prepared & Analyzed: 02/07/2022		
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2C0101 - BB22117											
Performance Mix (Y2C0101-P Performance Mix									Prepared & Analyzed: 02/28/2022		
4,4'-DDD	26.5		ng/mL	0.00			0-200				
4,4'-DDE	2.63		"	0.00			0-200				
4,4'-DDT	305		"	200		153	0-200				
Endrin	193		"	100		193	0-200				
Endrin aldehyde	10.3		"	0.00			0-200				
Endrin ketone	25.8		"	0.00			0-200				
Performance Mix (Y2C0101-P Performance Mix									Prepared & Analyzed: 02/28/2022		
4,4'-DDD	36.9		ng/mL	0.00			0-200				
4,4'-DDE	2.94		"	0.00			0-200				
4,4'-DDT	337		"	200		169	0-200				
Endrin	217		"	100		217	0-200	High Bias			
Endrin aldehyde	1.13		"	0.00			0-200				
Endrin ketone	33.0		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22636 - EPA 3550C											
Blank (BB22636-BLK2) Blank								Prepared: 02/25/2022 Analyzed: 02/27/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0495*		*"*	*0.0664*		*74.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0355*		*"*	*0.0664*		*53.5*	*30-150*				
LCS (BB22636-BS2) LCS								Prepared: 02/25/2022 Analyzed: 02/27/2022			
Aroclor 1016	0.198	0.0166	mg/kg wet	0.332		59.5	40-140			30	
Aroclor 1260	0.193	0.0166	"	0.332		58.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0402*		*"*	*0.0664*		*60.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0299*		*"*	*0.0664*		*45.0*	*30-150*				
Matrix Spike (BB22636-MS2) Matrix Spike *Source sample: 22B1165-06 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Aroclor 1016	0.123	0.0179	mg/kg dry	0.358	ND	34.4	40-140	Low Bias		30	
Aroclor 1260	0.190	0.0179	"	0.358	ND	52.9	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0477*		*"*	*0.0717*		*66.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0330*		*"*	*0.0717*		*46.0*	*30-150*				
Matrix Spike Dup (BB22636-M Matrix Spike Dup *Source sample: 22B1165-06 (Matrix Spike Dup)								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Aroclor 1016	0.0658	0.0179	mg/kg dry	0.358	ND	18.4	40-140	Low Bias	60.9	30	Non-dir.
Aroclor 1260	0.116	0.0179	"	0.358	ND	32.3	40-140	Low Bias	48.4	30	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.0358*		*"*	*0.0717*		*50.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0226*		*"*	*0.0717*		*31.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B2808 - BB22477											
Aroclor Reference (Y2B2808- Aroclor Reference										Prepared & Analyzed: 02/27/2022	
Surrogate: Tetrachloro-m-xylene	*0.207*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.193*		*"*	*0.200*		*96.5*					
Batch Y2C0114 - BB22477											
Aroclor Reference (Y2C0114- Aroclor Reference										Prepared & Analyzed: 02/28/2022	
Surrogate: Tetrachloro-m-xylene	*0.199*		*ug/mL*	*0.200*		*99.5*					
Surrogate: Decachlorobiphenyl	*0.179*		*"*	*0.200*		*89.5*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22608 - EPA 3550C/8151A											
Blank (BB22608-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.451*		*"*	*0.417*		*108*	*21-150*				
LCS (BB22608-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.103	0.0200	mg/kg wet	0.133		77.5	10-120				
2,4,5-TP (Silvex)	0.117	0.0200	"	0.133		87.5	10-120				
2,4-D	0.126	0.0200	"	0.133		94.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.435*		*"*	*0.417*		*104*	*21-150*				
Matrix Spike (BB22608-MS1) Matrix Spike *Source sample: 22B1165-08 (Matrix Spike)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.0916	0.0224	mg/kg dry	0.150	ND	61.3	10-120				
2,4,5-TP (Silvex)	0.0851	0.0224	"	0.150	ND	56.9	10-120				
2,4-D	0.101	0.0224	"	0.150	ND	67.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0804*		*"*	*0.467*		*17.2*	*21-150*				
Matrix Spike Dup (BB22608-M Matrix Spike Dup *Source sample: 22B1165-08 (Matrix Spike Dup)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.0720	0.0224	mg/kg dry	0.150	ND	48.1	10-120		24.0	35	
2,4,5-TP (Silvex)	0.0580	0.0224	"	0.150	ND	38.8	10-120		37.9	35	Non-dir.
2,4-D	0.0767	0.0224	"	0.150	ND	51.3	10-118		27.4	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0383*		*"*	*0.467*		*8.20*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Blank (BB22665-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Lead	ND	0.500	"								
Magnesium	6.95	5.00	"								
Manganese	0.519	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB22665-DUP1) Duplicate	*Source sample: 22B1165-08 (Duplicate)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	10100	5.61	mg/kg dry		11700				14.9	35	
Antimony	ND	2.80	"		3.05					35	
Arsenic	ND	1.68	"		ND					35	
Barium	61.0	2.80	"		57.9				5.08	35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	ND	0.337	"		ND					35	
Calcium	18900	5.61	"		10800				54.8	35	Non-dir.
Chromium	19.7	0.561	"		21.8				10.2	35	
Cobalt	7.57	0.449	"		11.5				41.1	35	Non-dir.
Copper	25.5	2.24	"		33.6				27.4	35	
Iron	16500	28.0	"		19000				14.3	35	
Lead	75.6	0.561	"		41.9				57.3	35	Non-dir.
Lead	75.6	0.561	"		41.9				57.3	35	Non-dir.
Magnesium	3840	5.61	"		6490				51.3	35	Non-dir.
Manganese	337	0.561	"		325				3.70	35	
Nickel	17.8	1.12	"		26.9				40.9	35	Non-dir.
Potassium	1180	5.61	"		1170				1.14	35	
Selenium	ND	2.80	"		ND					35	
Silver	ND	0.561	"		ND					35	
Sodium	906	56.1	"		1130				22.2	35	
Thallium	ND	2.80	"		ND					35	
Vanadium	46.3	1.12	"		45.0				2.85	35	
Zinc	55.2	2.80	"		56.1				1.65	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Matrix Spike (BB22665-MS1) Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	10700	5.61	mg/kg dry	224	11700	NR	75-125	Low Bias			
Antimony	12.5	2.80	"	28.0	3.05	33.7	75-125	Low Bias			
Arsenic	226	1.68	"	224	ND	101	75-125				
Barium	302	2.80	"	224	57.9	109	75-125				
Beryllium	4.84	0.056	"	5.61	ND	86.2	75-125				
Cadmium	5.89	0.337	"	5.61	ND	105	75-125				
Calcium	7990	5.61	"	112	10800	NR	75-125	Low Bias			
Chromium	44.6	0.561	"	22.4	21.8	102	75-125				
Cobalt	68.9	0.449	"	56.1	11.5	102	75-125				
Copper	58.6	2.24	"	28.0	33.6	89.2	75-125				
Iron	16000	28.0	"	112	19000	NR	75-125	Low Bias			
Lead	106	0.561	"	56.1	41.9	114	75-125				
Lead	106	0.561	"	56.1	41.9	114	75-125				
Magnesium	3730	5.61	"	112	6490	NR	75-125	Low Bias			
Manganese	355	0.561	"	56.1	325	53.6	75-125	Low Bias			
Nickel	78.1	1.12	"	56.1	26.9	91.2	75-125				
Potassium	1290	5.61	"	112	1170	104	75-125				
Selenium	167	2.80	"	224	ND	74.4	75-125	Low Bias			
Silver	5.95	0.561	"	5.61	ND	106	75-125				
Sodium	1010	56.1	"	112	1130	NR	75-125	Low Bias			
Thallium	218	2.80	"	224	ND	97.4	75-125				
Vanadium	86.9	1.12	"	56.1	45.0	74.7	75-125	Low Bias			
Zinc	109	2.80	"	56.1	56.1	93.4	75-125				
Post Spike (BB22665-PS1) Post Spike	*Source sample: 22B1165-08 (Post Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	107		ug/mL	2.00	105	124	75-125				
Antimony	0.317		"	0.250	0.027	116	75-125				
Arsenic	2.09		"	2.00	0.013	104	75-125				
Barium	2.76		"	2.00	0.516	112	75-125				
Beryllium	0.042		"	0.0500	-0.011	84.1	75-125				
Cadmium	0.054		"	0.0500	0.001	106	75-125				
Calcium	96.2		"	1.00	95.9	29.5	75-125	Low Bias			
Chromium	0.405		"	0.200	0.194	106	75-125				
Cobalt	0.656		"	0.500	0.102	111	75-125				
Copper	0.598		"	0.250	0.300	119	75-125				
Iron	167		"	1.00	169	NR	75-125	Low Bias			
Lead	0.919		"	0.500	0.374	109	75-125				
Lead	0.919		"	0.500	0.374	109	75-125				
Magnesium	57.9		"	1.00	57.8	5.53	75-125	Low Bias			
Manganese	3.42		"	0.500	2.90	105	75-125				
Nickel	0.811		"	0.500	0.240	114	75-125				
Potassium	11.8		"	1.00	10.4	134	75-125	High Bias			
Selenium	1.59		"	2.00	-0.200	79.5	75-125				
Silver	0.028		"	0.0500	-0.0007	55.4	75-125	Low Bias			
Sodium	11.2		"	1.00	10.1	114	75-125				
Thallium	2.00		"	2.00	-0.036	100	75-125				
Vanadium	0.935		"	0.500	0.401	107	75-125				
Zinc	1.00		"	0.500	0.500	101	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Reference (BB22665-SRM1) Reference									Prepared: 02/25/2022 Analyzed: 03/01/2022		
Aluminum	10200	5.00	mg/kg wet	8130		125	49.9-150.1				
Antimony	76.4	2.50	"	134		57.0	19.3-250				
Arsenic	164	1.50	"	156		105	69.9-130.1				
Barium	277	2.50	"	239		116	74.9-124.7				
Beryllium	182	0.050	"	169		108	75.1-125.4				
Cadmium	143	0.300	"	137		104	75.2-124.8				
Calcium	5300	5.00	"	4760		111	72.7-127.5				
Chromium	164	0.500	"	154		107	70.1-129.9				
Cobalt	134	0.400	"	121		110	75-124.8				
Copper	65.0	2.00	"	54.9		118	74.9-125				
Iron	16400	25.0	"	14100		117	34.9-164.5				
Lead	145	0.500	"	130		111	71.8-128.5				
Lead	145	0.500	"	130		111	71.8-128.5				
Magnesium	2740	5.00	"	2320		118	62.1-137.9				
Manganese	309	0.500	"	269		115	74-126.4				
Nickel	69.4	1.00	"	53.9		129	69.9-129.9				
Potassium	2380	5.00	"	2020		118	58.9-141.1				
Selenium	126	2.50	"	167		75.3	67.7-132.3				
Silver	34.5	0.500	"	33.6		103	68.5-131.3				
Sodium	155	50.0	"	133		117	35-165.4				
Thallium	110	2.50	"	112		97.9	67.9-131.3				
Vanadium	68.0	1.00	"	62.6		109	59.1-141.1				
Zinc	170	2.50	"	158		108	70.3-129.7				
Batch BB22762 - EPA 3050B											
Blank (BB22762-BLK1) Blank									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	ND	1.00	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22762 - EPA 3050B											
Duplicate (BB22762-DUP1) Duplicate	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	76.4	1.10	mg/kg dry		67.2				12.8	35	
Matrix Spike (BB22762-MS1) Matrix Spike	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	122	1.10	mg/kg dry	55.2	67.2	99.0	75-125				
Post Spike (BB22762-PS1) Post Spike	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	1.16		mg/L	0.500	0.609	110	75-125				
Reference (BB22762-SRM1) Reference									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	72.1	1.00	mg/kg wet	53.9		134	69.9-129.9	High Bias			

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22699 - EPA 7473 soil												
Blank (BB22699-BLK1)	Blank								Prepared & Analyzed: 02/28/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB22699-DUP1)	Duplicate	*Source sample: 22B0569-45 (Duplicate)							Prepared & Analyzed: 02/28/2022			
Mercury		0.274	0.0355	mg/kg dry		0.329				18.1	35	
Matrix Spike (BB22699-MS1)	Matrix Spike	*Source sample: 22B0569-45 (Matrix Spike)							Prepared & Analyzed: 02/28/2022			
Mercury		0.794		mg/kg	0.500	0.278	103	75-125				
Reference (BB22699-SRM1)	Reference								Prepared & Analyzed: 02/28/2022			
Mercury		27.800		mg/kg	27.2		102	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22629 - EPA SW846-3060												
Blank (BB22629-BLK1)	Blank								Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB22629-DUP1)	Duplicate	*Source sample: 22B1165-08 (Duplicate)							Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		ND	0.561	mg/kg dry		ND					35	
Matrix Spike (BB22629-MS1)	Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)							Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		25.3	0.561	mg/kg dry	22.4	ND	113	75-125				
Reference (BB22629-SRM1)	Reference								Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		111		mg/L	109		102	30-169.7				
Batch BB22643 - Analysis Preparation Soil												
Blank (BB22643-BLK1)	Blank								Prepared & Analyzed: 02/25/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB22643-DUP1)	Duplicate	*Source sample: 22B1165-08 (Duplicate)							Prepared & Analyzed: 02/25/2022			
Cyanide, total		ND	0.561	mg/kg dry		ND					15	
Matrix Spike (BB22643-MS1)	Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)							Prepared & Analyzed: 02/25/2022			
Cyanide, total		8.28	0.561	mg/kg dry	11.2	ND	73.8	79.6-107	Low Bias			
Reference (BB22643-SRM1)	Reference								Prepared & Analyzed: 02/25/2022			
Cyanide, total		94.9		ug/mL	86.8		109	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22726 - % Solids Prep											
Duplicate (BB22726-DUP1) Duplicate	*Source sample: 22B1156-05 (EP53_4.0)							Prepared & Analyzed: 02/28/2022			
% Solids	89.9	0.100	%		89.5				0.381	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B1156-05	EP53_4.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

M-SRD1	The serial dilution for this element was outside control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported

RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to include additional analyses.

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B1156

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 5th Floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Senzer	Contact:	Contact:
E-mail: Ksenzer@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
~~EP22-5.5~~	~~2/24/22 1555~~	~~2/24/22 1355~~	~~Benzo(a)anthracene, Benzo(a)pyrene, chrysene, Indeno(1,2,3-cd)pyrene~~	
EP30_5.5	S	2/24/22 1345	Indeno(1,2,3-cd)pyrene	
EP33-5.0	S	2/24/22 1400	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, chrysene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Nickel	
EP35_4.5	S	2/24/22 1415	Lead and Mercury	
SB107_SW-W_3.0	S	2/24/22 1445	Total lead	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondence

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Jessica Babb / Langan	2/24/22 1600	Client-NY York-Labs	2/24/22 1600	Client-NY York-Labs	2/24/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[illegible]	2/24/22 17	[illegible]	2/24/22 1945		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlocker	2/24/22 1945 / 1.4 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B1156

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Serno	Contact:	Contact:
E-mail: Kserno@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WCIIA_BASE_4.0	S	2/24/22 1430	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides, herbicides, metals including cyanide, hex + trivalent chromium, PFAS, 1,4-dioxane	* Please do not report lead result *
FB01_PFAS_02242022	other AQ EA	2/24/22 1500	PFAS	

Comments: Please include lesmile@langan.com and maronica@langan.com on all correspondance

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[illegible] Barbio / Langan	2/24/22 1600	Mal / N York Fedex	2/24/22 1600	Mal · N York Fedex	2/24/22
[illegible]	2/24/22 17:—	[illegible]	2/24/22 1945	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	2/24/22 1945 / 1.6 Degrees C

Technical Report

prepared for:

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

Report Date: 03/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1212

Revision No. **1.0**

Report Date: 03/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1212

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 25, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B1212-01	EP22_5.5	Soil	02/24/2022	02/25/2022
22B1212-02	SW01_4.5	Soil	02/24/2022	02/25/2022
22B1212-03	SW02_4.5	Soil	02/24/2022	02/25/2022
22B1212-04	SW03_4.5	Soil	02/24/2022	02/25/2022
22B1212-05	EP76_4.5	Soil	02/24/2022	02/25/2022
22B1212-06	EP46_7.5	Soil	02/25/2022	02/25/2022
22B1212-07	EP56_7.5	Soil	02/25/2022	02/25/2022
22B1212-08	EP37_4.5	Soil	02/25/2022	02/25/2022
22B1212-09	FB01_PFAS_02252022	Water	02/25/2022	02/25/2022

General Notes for York Project (SDG) No.: 22B1212

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

Approved By **Date:** 03/09/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP22_5.5 **York Sample ID:** 22B1212-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 1:30 pm	02/25/2022

Semi-Volatiles, Select PAH (F)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.298**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/26/2022 07:10	02/28/2022 13:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.277**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/26/2022 07:10	02/28/2022 13:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.274**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/26/2022 07:10	02/28/2022 13:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.161**		mg/kg dry	0.0451	0.0899	2	EPA 8270D	02/26/2022 07:10	02/28/2022 13:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*89.7 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.5 %*	*30-130*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*79.7 %*	*30-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.5**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SW01_4.5** **York Sample ID:** **22B1212-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0086**	CCV-E, J	mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:13	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	02/26/2022 07:10	02/28/2022 14:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*79.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*72.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*82.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*86.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.4 %*	*24-116*

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/28/2022 13:29	03/01/2022 17:06	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:01	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.4 %*	*25-150*
Surrogate: M5PFHxA	*91.0 %*	*25-150*
Surrogate: M4PFHpA	*84.1 %*	*25-150*
Surrogate: M3PFHxS	*90.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*90.5 %*	*25-150*
Surrogate: M6PFDA	*118 %*	*25-150*
Surrogate: M7PFUdA	*82.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.2 %*	*25-150*
Surrogate: M2PFTeDA	*58.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*94.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*76.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*102 %*	*25-200*
Surrogate: M2-8:2 FTS	*64.0 %*	*25-200*
Surrogate: M9PFNA	*88.8 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:29	CM

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:29	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.9 %*	*30-150*

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:00	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	02/26/2022 06:57	03/01/2022 00:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	02/26/2022 06:57	03/01/2022 00:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	02/26/2022 06:57	03/01/2022 00:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*90.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6460**		mg/kg dry	5.62	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**37.1**		mg/kg dry	2.81	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2060**	B	mg/kg dry	5.62	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**28.3**		mg/kg dry	0.562	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**11.2**		mg/kg dry	0.450	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**27.9**		mg/kg dry	2.25	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15600**		mg/kg dry	28.1	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**10.8**		mg/kg dry	0.562	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7560**		mg/kg dry	5.62	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**208**		mg/kg dry	0.562	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**134**		mg/kg dry	1.12	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1090**		mg/kg dry	5.62	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**132**		mg/kg dry	56.2	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	1.12	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**25.3**		mg/kg dry	2.81	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: SW01_4.5 **York Sample ID:** 22B1212-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 4:45 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473	03/01/2022 15:42	03/01/2022 22:32	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.562	1	EPA 7196A	02/28/2022 09:12	02/28/2022 18:25	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**28.3**		mg/kg	0.500	1	Calculation	03/02/2022 09:43	03/02/2022 09:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.562	1	EPA 9014/9010C	02/28/2022 08:26	02/28/2022 14:16	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.0**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SW02_4.5** **York Sample ID:** **22B1212-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.0081**		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.0021**	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0042**	CCV-E, J	mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0086**	CCV-E	mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C	02/28/2022 06:07	02/28/2022 15:39	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.181	0.363	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0514**	J	mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.363	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.156**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.123**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.104**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0775**	J	mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.112**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.152**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0906	0.181	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.360**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.106**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.304**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.313**		mg/kg dry	0.0454	0.0906	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.363	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*71.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*69.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*68.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.2 %*	*24-116*

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/28/2022 13:29	03/01/2022 17:23	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.266	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:13	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.0 %*	*25-150*
Surrogate: M5PFHxA	*97.2 %*	*25-150*
Surrogate: M4PFHpA	*93.2 %*	*25-150*
Surrogate: M3PFHxS	*93.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.7 %*	*25-150*
Surrogate: M6PFDA	*111 %*	*25-150*
Surrogate: M7PFUdA	*80.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*89.7 %*	*25-150*
Surrogate: M2PFTeDA	*62.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*92.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*117 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*108 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*86.6 %*	*25-200*
Surrogate: M9PFNA	*86.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:46	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:46	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 16:46	CM

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B	02/26/2022 07:02	02/28/2022 16:46	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.3 %*	*30-150*

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:13	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0216	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*88.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8920**		mg/kg dry	5.49	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**2.76**		mg/kg dry	2.74	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.65	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**81.4**		mg/kg dry	2.74	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1920**	B	mg/kg dry	5.49	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.5**		mg/kg dry	0.549	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.7**		mg/kg dry	0.439	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**36.8**		mg/kg dry	2.19	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20300**		mg/kg dry	27.4	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**13.5**		mg/kg dry	0.549	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6450**		mg/kg dry	5.49	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**194**		mg/kg dry	0.549	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**117**		mg/kg dry	1.10	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1330**		mg/kg dry	5.49	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**130**		mg/kg dry	54.9	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.9**		mg/kg dry	1.10	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**49.0**		mg/kg dry	2.74	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SW02_4.5 **York Sample ID:** 22B1212-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:00 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0368**		mg/kg dry	0.0329	1	EPA 7473	03/01/2022 15:42	03/01/2022 22:42	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.549	1	EPA 7196A	02/28/2022 09:12	02/28/2022 18:25	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.5**		mg/kg	0.500	1	Calculation	03/02/2022 09:43	03/02/2022 09:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.549	1	EPA 9014/9010C	02/28/2022 08:26	02/28/2022 14:16	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.1**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.078	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0075**	CCV-E, J	mg/kg dry	0.0039	0.0078	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0078	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.175	0.351	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D	02/26/2022 07:10	02/28/2022 15:32	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*71.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*78.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*84.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*72.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*85.6 %*	*24-116*

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/28/2022 13:29	03/01/2022 17:40	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.5 %*	*25-150*
Surrogate: M5PFHxA	*91.5 %*	*25-150*
Surrogate: M4PFHpA	*88.8 %*	*25-150*
Surrogate: M3PFHxS	*69.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*80.0 %*	*25-150*
Surrogate: M6PFDA	*99.7 %*	*25-150*
Surrogate: M7PFUdA	*70.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.2 %*	*25-150*
Surrogate: M2PFTeDA	*51.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*76.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*92.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*74.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*65.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*73.5 %*	*25-200*
Surrogate: M9PFNA	*86.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:03	CM

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.176	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:03	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.0 %*	*30-150*

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:27	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0212	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:12	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:12	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:12	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*89.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6900**		mg/kg dry	5.37	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**2.82**		mg/kg dry	2.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.61	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**40.7**		mg/kg dry	2.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1970**	B	mg/kg dry	5.37	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.1**		mg/kg dry	0.537	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.59**		mg/kg dry	0.430	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**29.5**		mg/kg dry	2.15	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14400**		mg/kg dry	26.9	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**8.72**		mg/kg dry	0.537	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4070**		mg/kg dry	5.37	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**266**		mg/kg dry	0.537	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**56.3**		mg/kg dry	1.07	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1450**		mg/kg dry	5.37	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**190**		mg/kg dry	53.7	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.6**		mg/kg dry	1.07	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**29.1**		mg/kg dry	2.69	1	EPA 6010D	02/28/2022 23:48	03/01/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: SW03_4.5 **York Sample ID:** 22B1212-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:15 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473	03/01/2022 15:42	03/01/2022 22:51	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.537	1	EPA 7196A	02/28/2022 09:12	02/28/2022 18:25	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.1**		mg/kg	0.500	1	Calculation	03/02/2022 09:43	03/02/2022 09:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.537	1	EPA 9014/9010C	02/28/2022 08:26	02/28/2022 14:16	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.1**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0098**	CCV-E	mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0085**	CCV-E, J	mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C	02/28/2022 06:07	02/28/2022 16:30	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D	03/02/2022 13:13	03/07/2022 12:03	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*62.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*49.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*50.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*83.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.9 %*	*24-116*

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/07/2022 11:28	03/09/2022 10:18	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*92.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.261	1	EPA 537m Certifications:	03/04/2022 11:59	03/08/2022 12:51	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*87.8 %*	*25-150*
Surrogate: M5PFHxA	*95.3 %*	*25-150*
Surrogate: M4PFHpA	*83.8 %*	*25-150*
Surrogate: M3PFHxS	*79.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*80.3 %*	*25-150*
Surrogate: M6PFDA	*86.5 %*	*25-150*
Surrogate: M7PFUdA	*73.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.2 %*	*25-150*
Surrogate: M2PFTeDA	*47.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*89.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*79.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*72.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*76.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*79.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*72.5 %*	*25-200*
Surrogate: M9PFNA	*107 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2022 13:23	03/08/2022 07:38	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2022 13:23	03/08/2022 07:38	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2022 13:23	03/08/2022 07:38	CM

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B	03/04/2022 13:23	03/08/2022 07:38	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.3 %*	*30-150*

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A	03/04/2022 13:23	03/07/2022 18:57	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0219	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*55.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5220**		mg/kg dry	5.50	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.75	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.65	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**39.1**		mg/kg dry	2.75	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2220**	B	mg/kg dry	5.50	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.3**		mg/kg dry	0.550	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.55**		mg/kg dry	0.440	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**22.4**		mg/kg dry	2.20	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14000**		mg/kg dry	27.5	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**14.2**		mg/kg dry	0.550	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3980**		mg/kg dry	5.50	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**238**		mg/kg dry	0.550	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**59.7**		mg/kg dry	1.10	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1150**	B	mg/kg dry	5.50	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.75	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.550	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**144**		mg/kg dry	55.0	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.75	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**19.6**		mg/kg dry	1.10	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**24.8**		mg/kg dry	2.75	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP76_4.5 **York Sample ID:** 22B1212-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 24, 2022 5:30 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	1	EPA 7473	03/07/2022 11:12	03/07/2022 12:49	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.550	1	EPA 7196A	03/07/2022 14:23	03/07/2022 21:34	ZTS
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.3**		mg/kg	0.500	1	Calculation	03/08/2022 16:29	03/08/2022 16:40	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.550	1	EPA 9014/9010C	03/07/2022 08:19	03/07/2022 14:32	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.9**		%	0.100	1	SM 2540G	03/07/2022 16:31	03/07/2022 20:33	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0079**		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.038**	CCV-E	mg/kg dry	0.0063	0.013	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C	03/01/2022 06:00	03/01/2022 13:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.9 %*		*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*131 %*	S-03	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	IS-LO	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0628**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.227**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.183**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.121**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0913**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.158**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.213**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.467**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0987**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0554**	J	mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.204**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.480**		mg/kg dry	0.0511	0.102	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:04	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*75.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*76.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*81.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*85.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.0 %*	*24-116*

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/28/2022 13:29	03/01/2022 17:57	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.510**		ug/kg dry	0.299	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.7 %*	*25-150*
Surrogate: M5PFHxA	*76.5 %*	*25-150*
Surrogate: M4PFHpA	*65.3 %*	*25-150*
Surrogate: M3PFHxS	*71.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*76.1 %*	*25-150*
Surrogate: M6PFDA	*87.1 %*	*25-150*
Surrogate: M7PFUdA	*62.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*56.2 %*	*25-150*
Surrogate: M2PFTeDA	*51.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*60.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*77.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*65.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*108 %*	*25-150*
Surrogate: M2-6:2 FTS	*123 %*	*25-200*
Surrogate: M2-8:2 FTS	*101 %*	*25-200*
Surrogate: M9PFNA	*73.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:20	CM

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0400	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:20	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.1 %*	*30-150*

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:41	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0245	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0245	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0245	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*84.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6200**		mg/kg dry	6.14	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**4.22**		mg/kg dry	3.07	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.79**		mg/kg dry	1.84	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**65.1**		mg/kg dry	3.07	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.01**		mg/kg dry	0.368	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8930**	B	mg/kg dry	6.14	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**26.5**		mg/kg dry	0.614	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.7**		mg/kg dry	0.491	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**61.4**		mg/kg dry	2.45	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12200**		mg/kg dry	30.7	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**115**		mg/kg dry	0.614	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5010**		mg/kg dry	6.14	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**144**		mg/kg dry	0.614	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**89.1**		mg/kg dry	1.23	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**792**		mg/kg dry	6.14	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.07	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.614	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**349**		mg/kg dry	61.4	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.07	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.7**		mg/kg dry	1.23	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**470**		mg/kg dry	3.07	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:19	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP46_7.5 **York Sample ID:** 22B1212-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 2:45 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.230**		mg/kg dry	0.0368	1	EPA 7473	03/01/2022 15:42	03/01/2022 23:01	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.614	1	EPA 7196A	02/28/2022 09:12	02/28/2022 18:25	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**26.5**		mg/kg	0.500	1	Calculation	03/02/2022 09:43	03/02/2022 09:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.614	1	EPA 9014/9010C	02/28/2022 08:26	02/28/2022 14:16	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.5**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.073	0.15	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**	CCV-E, J	mg/kg dry	0.0073	0.015	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C	03/01/2022 06:00	03/01/2022 14:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*		*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*137 %*	S-03	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*120 %*	IS-LO	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0909**	J	mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.137**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.242	0.484	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.148**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.242	0.484	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.947**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.919**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.707**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.847**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.700**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.04**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.142**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.0628**	J	mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.121	0.242	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.25**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.809**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.145**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.557**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.99**		mg/kg dry	0.0606	0.121	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.242	0.484	2	EPA 8270D	02/26/2022 07:10	02/28/2022 16:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*53.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.7 %*	*24-116*

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/28/2022 13:29	03/01/2022 18:14	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*54.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**0.370**		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**2.12**		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.977**		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.367	1	EPA 537m Certifications:	02/28/2022 13:43	03/02/2022 17:50	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*65.0 %*	*25-150*
Surrogate: M5PFHxA	*69.1 %*	*25-150*
Surrogate: M4PFHpA	*53.9 %*	*25-150*
Surrogate: M3PFHxS	*76.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*78.2 %*	*25-150*
Surrogate: M6PFDA	*76.2 %*	*25-150*
Surrogate: M7PFUdA	*60.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*47.8 %*	*25-150*
Surrogate: M2PFTeDA	*47.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*60.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*61.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*52.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*91.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*96.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*144 %*	*25-200*
Surrogate: M2-8:2 FTS	*115 %*	*25-200*
Surrogate: M9PFNA	*69.8 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00244	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00244	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:37	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00244	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/26/2022 07:02	02/28/2022 17:37	CM

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.244	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0488	5	EPA 8081B	02/26/2022 07:02	02/28/2022 17:37	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.7 %*	*30-150*

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0246	1	EPA 8082A	02/26/2022 07:02	02/27/2022 20:54	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0294	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0294	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0294	1	EPA 8151A	02/26/2022 06:57	03/01/2022 01:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*83.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12600**		mg/kg dry	7.42	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**5.30**		mg/kg dry	3.71	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**15.0**		mg/kg dry	2.23	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**181**		mg/kg dry	3.71	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.074	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.445	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**7110**	B	mg/kg dry	7.42	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**47.4**		mg/kg dry	0.742	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**17.0**		mg/kg dry	0.594	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**261**		mg/kg dry	2.97	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**28700**		mg/kg dry	37.1	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**794**		mg/kg dry	0.742	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10100**		mg/kg dry	7.42	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**212**		mg/kg dry	0.742	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**209**		mg/kg dry	1.48	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1520**		mg/kg dry	7.42	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.71	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.742	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**591**		mg/kg dry	74.2	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.71	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**36.1**		mg/kg dry	1.48	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**481**		mg/kg dry	3.71	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:21	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP56_7.5 **York Sample ID:** 22B1212-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 3:00 pm	02/25/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.60**		mg/kg dry	0.0445	1	EPA 7473	03/01/2022 15:42	03/01/2022 23:10	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.742	1	EPA 7196A	02/28/2022 09:12	02/28/2022 18:25	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**47.4**		mg/kg	0.500	1	Calculation	03/02/2022 09:43	03/02/2022 09:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	**Cyanide, total**	**0.772**		mg/kg dry	0.742	1	EPA 9014/9010C	02/28/2022 08:26	02/28/2022 14:16	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**67.4**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP37_4.5 **York Sample ID:** 22B1212-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Soil	February 25, 2022 1:00 pm	02/25/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**109**		mg/kg dry	1.14	1	EPA 6010D	02/28/2022 23:52	03/01/2022 17:24	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.9**		%	0.100	1	SM 2540G	03/01/2022 13:31	03/01/2022 16:28	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **FB01_PFAS_02252022** **York Sample ID:** **22B1212-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Water	February 25, 2022 3:15 pm	02/25/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL

Sample Information

Client Sample ID: FB01_PFAS_02252022 **York Sample ID:** 22B1212-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1212	170610601	Water	February 25, 2022 3:15 pm	02/25/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 21:07	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.1 %*	*25-150*
Surrogate: M5PFHxA	*98.1 %*	*25-150*
Surrogate: M4PFHpA	*94.3 %*	*25-150*
Surrogate: M3PFHxS	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.9 %*	*25-150*
Surrogate: M6PFDA	*103 %*	*25-150*
Surrogate: M7PFUdA	*90.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*86.6 %*	*25-150*
Surrogate: M2PFTeDA	*79.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*92.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*76.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*112 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*118 %*	*25-150*
Surrogate: M2-6:2 FTS	*111 %*	*25-200*
Surrogate: M2-8:2 FTS	*119 %*	*25-200*
Surrogate: M9PFNA	*98.8 %*	*25-150*

Analytical Batch Summary

Batch ID: BB22676 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/26/22
22B1212-03	SW02_4.5	02/26/22
22B1212-04	SW03_4.5	02/26/22
22B1212-06	EP46_7.5	02/26/22
22B1212-07	EP56_7.5	02/26/22
BB22676-BLK1	Blank	02/26/22
BB22676-BS1	LCS	02/26/22
BB22676-MS1	Matrix Spike	02/26/22
BB22676-MSD1	Matrix Spike Dup	02/26/22

Batch ID: BB22677 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/26/22
22B1212-02	SW01_4.5	02/26/22
22B1212-03	SW02_4.5	02/26/22
22B1212-03	SW02_4.5	02/26/22
22B1212-04	SW03_4.5	02/26/22
22B1212-04	SW03_4.5	02/26/22
22B1212-06	EP46_7.5	02/26/22
22B1212-06	EP46_7.5	02/26/22
22B1212-07	EP56_7.5	02/26/22
22B1212-07	EP56_7.5	02/26/22
BB22677-BLK1	Blank	02/26/22
BB22677-BLK2	Blank	02/26/22
BB22677-BS1	LCS	02/26/22
BB22677-BS2	LCS	02/26/22
BB22677-MS2	Matrix Spike	02/26/22
BB22677-MSD2	Matrix Spike Dup	02/26/22

Batch ID: BB22678 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-01	EP22_5.5	02/26/22
22B1212-02	SW01_4.5	02/26/22
22B1212-03	SW02_4.5	02/26/22
22B1212-04	SW03_4.5	02/26/22
22B1212-06	EP46_7.5	02/26/22
22B1212-07	EP56_7.5	02/26/22
BB22678-BLK1	Blank	02/26/22
BB22678-BS1	LCS	02/26/22
BB22678-MS1	Matrix Spike	02/26/22
BB22678-MSD1	Matrix Spike Dup	02/26/22

Batch ID: BB22689 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
22B1212-06	EP46_7.5	02/28/22
22B1212-07	EP56_7.5	02/28/22
BB22689-BLK1	Blank	02/28/22
BB22689-DUP1	Duplicate	02/28/22
BB22689-MS1	Matrix Spike	02/28/22
BB22689-SRM1	Reference	02/28/22

Batch ID: BB22691 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
22B1212-06	EP46_7.5	02/28/22
22B1212-07	EP56_7.5	02/28/22
BB22691-BLK1	Blank	02/28/22
BB22691-DUP1	Duplicate	02/28/22
BB22691-MS1	Matrix Spike	02/28/22
BB22691-SRM1	Reference	02/28/22

Batch ID: BB22701 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
22B1212-05	EP76_4.5	02/28/22
BB22701-BLK1	Blank	02/28/22
BB22701-BLK2	Blank	02/28/22
BB22701-BS1	LCS	02/28/22
BB22701-BSD1	LCS Dup	02/28/22

Batch ID: BB22725 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-09	FB01_PFAS_02252022	02/28/22
BB22725-BLK1	Blank	02/28/22
BB22725-BS1	LCS	02/28/22
BB22725-BSD1	LCS Dup	02/28/22

Batch ID: BB22738 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date

22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
22B1212-06	EP46_7.5	02/28/22
22B1212-07	EP56_7.5	02/28/22
BB22738-BLK1	Blank	02/28/22
BB22738-BS1	LCS	02/28/22
BB22738-MS1	Matrix Spike	02/28/22
BB22738-MSD1	Matrix Spike Dup	02/28/22

Batch ID: BB22744 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
22B1212-06	EP46_7.5	02/28/22
22B1212-07	EP56_7.5	02/28/22
BB22744-BLK1	Blank	02/28/22
BB22744-BS1	LCS	02/28/22
BB22744-MS1	Matrix Spike	02/28/22
BB22744-MSD1	Matrix Spike Dup	02/28/22

Batch ID: BB22793 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	02/28/22
22B1212-03	SW02_4.5	02/28/22
22B1212-04	SW03_4.5	02/28/22
BB22793-BLK1	Blank	02/28/22
BB22793-DUP1	Duplicate	02/28/22
BB22793-MS1	Matrix Spike	02/28/22
BB22793-PS1	Post Spike	02/28/22
BB22793-SRM1	Reference	02/28/22

Batch ID: BB22794 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-06	EP46_7.5	02/28/22
22B1212-07	EP56_7.5	02/28/22
22B1212-08	EP37_4.5	02/28/22
BB22794-BLK1	Blank	02/28/22
BB22794-DUP1	Duplicate	02/28/22
BB22794-SRM1	Reference	02/28/22

Batch ID: BC21321 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-06	EP46_7.5	03/01/22

22B1212-07	EP56_7.5	03/01/22
BC21321-BLK1	Blank	03/01/22
BC21321-BS1	LCS	03/01/22
BC21321-BSD1	LCS Dup	03/01/22

Batch ID: BC21325 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-01	EP22_5.5	03/01/22
22B1212-02	SW01_4.5	03/01/22
22B1212-03	SW02_4.5	03/01/22
22B1212-04	SW03_4.5	03/01/22
22B1212-06	EP46_7.5	03/01/22
22B1212-07	EP56_7.5	03/01/22
22B1212-08	EP37_4.5	03/01/22
BC21325-DUP1	Duplicate	03/01/22

Batch ID: BC21335 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	03/01/22
22B1212-03	SW02_4.5	03/01/22
22B1212-04	SW03_4.5	03/01/22
22B1212-06	EP46_7.5	03/01/22
22B1212-07	EP56_7.5	03/01/22
BC21335-BLK1	Blank	03/01/22
BC21335-DUP1	Duplicate	03/01/22
BC21335-MS1	Matrix Spike	03/01/22
BC21335-SRM1	Reference	03/01/22

Batch ID: BC21395 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-02	SW01_4.5	03/02/22
22B1212-03	SW02_4.5	03/02/22
22B1212-04	SW03_4.5	03/02/22
22B1212-06	EP46_7.5	03/02/22
22B1212-07	EP56_7.5	03/02/22

Batch ID: BC21557 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/04/22
BC21557-BLK1	Blank	03/04/22
BC21557-BS1	LCS	03/04/22
BC21557-MS1	Matrix Spike	03/04/22
BC21557-MSD1	Matrix Spike Dup	03/04/22

Batch ID: BC21570 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/04/22
22B1212-05	EP76_4.5	03/04/22
BC21570-BLK2	Blank	03/04/22
BC21570-BS2	LCS	03/04/22
BC21570-MS2	Matrix Spike	03/04/22
BC21570-MSD2	Matrix Spike Dup	03/04/22

Batch ID: BC21608 **Preparation Method:** EPA 3546 SVOA **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/02/22
BC21608-BLK1	Blank	03/05/22
BC21608-BS1	LCS	03/05/22

Batch ID: BC21625 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21625-BLK1	Blank	03/07/22
BC21625-BS1	LCS	03/07/22
BC21625-MS1	Matrix Spike	03/07/22
BC21625-MSD1	Matrix Spike Dup	03/07/22

Batch ID: BC21630 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21630-BLK1	Blank	03/07/22
BC21630-DUP1	Duplicate	03/07/22
BC21630-MS1	Matrix Spike	03/07/22
BC21630-SRM1	Reference	03/07/22

Batch ID: BC21648 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21648-BLK1	Blank	03/07/22
BC21648-DUP1	Duplicate	03/07/22
BC21648-MS1	Matrix Spike	03/07/22
BC21648-SRM1	Reference	03/07/22

Batch ID: BC21651 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22

BC21651-BLK1	Blank	03/07/22
BC21651-BS1	LCS	03/07/22
BC21651-MS1	Matrix Spike	03/07/22
BC21651-MSD1	Matrix Spike Dup	03/07/22

Batch ID: BC21677 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21677-BLK1	Blank	03/07/22
BC21677-DUP1	Duplicate	03/07/22
BC21677-MS1	Matrix Spike	03/07/22
BC21677-SRM1	Reference	03/07/22

Batch ID: BC21688 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21688-BLK1	Blank	03/07/22
BC21688-DUP1	Duplicate	03/07/22
BC21688-MS1	Matrix Spike	03/07/22
BC21688-PS1	Post Spike	03/07/22
BC21688-SRM1	Reference	03/07/22

Batch ID: BC21702 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/07/22
BC21702-DUP1	Duplicate	03/07/22

Batch ID: BC21784 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B1212-05	EP76_4.5	03/08/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
Blank (BB22701-BLK2) HB-22B1156									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK2) HB-22B1156							Prepared & Analyzed: 02/28/2022				
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS							Prepared & Analyzed: 02/28/2022				
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	45.4		"	50.0		90.7	71-137				
1,1,2,2-Tetrachloroethane	50.6		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.6		"	50.0		91.2	58-146				
1,1,2-Trichloroethane	46.6		"	50.0		93.3	83-123				
1,1-Dichloroethane	44.1		"	50.0		88.2	75-130				
1,1-Dichloroethylene	44.9		"	50.0		89.8	64-137				
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	56.7		"	50.0		113	80-141				
1,2,4-Trimethylbenzene	52.8		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	51.4		"	50.0		103	74-142				
1,2-Dibromoethane	49.2		"	50.0		98.3	86-123				
1,2-Dichlorobenzene	49.5		"	50.0		99.1	85-122				
1,2-Dichloroethane	45.2		"	50.0		90.3	71-133				
1,2-Dichloropropane	48.5		"	50.0		97.0	81-122				
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126				
1,3-Dichlorobenzene	50.8		"	50.0		102	84-124				
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dioxane	1230		"	1050		117	10-228				
2-Butanone	44.8		"	50.0		89.5	58-147				
2-Hexanone	47.3		"	50.0		94.6	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.7	72-132				
Acetone	26.8		"	50.0		53.6	36-155				
Acrolein	37.3		"	50.0		74.6	10-238				
Acrylonitrile	42.7		"	50.0		85.4	66-141				
Benzene	45.0		"	50.0		90.0	77-127				
Bromochloromethane	44.2		"	50.0		88.4	74-129				
Bromodichloromethane	48.9		"	50.0		97.8	81-124				
Bromoform	53.5		"	50.0		107	80-136				
Bromomethane	40.3		"	50.0		80.6	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	46.9		"	50.0		93.8	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	42.4		"	50.0		84.7	51-142				
Chloroform	45.6		"	50.0		91.2	76-131				
Chloromethane	44.9		"	50.0		89.9	49-132				
cis-1,2-Dichloroethylene	45.1		"	50.0		90.2	74-132				
cis-1,3-Dichloropropylene	52.2		"	50.0		104	81-129				
Cyclohexane	36.1		"	50.0		72.1	70-130				
Dibromochloromethane	49.7		"	50.0		99.5	10-200				
Dibromomethane	46.8		"	50.0		93.5	83-124				
Dichlorodifluoromethane	36.1		"	50.0		72.3	28-158				
Ethyl Benzene	49.4		"	50.0		98.7	84-125				
Hexachlorobutadiene	51.4		"	50.0		103	83-133				
Isopropylbenzene	54.4		"	50.0		109	81-127				
Methyl acetate	40.3		"	50.0		80.5	41-143				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131				
Methylcyclohexane	48.3		"	50.0		96.6	70-130				
Methylene chloride	43.5		"	50.0		87.0	57-141				
n-Butylbenzene	51.9		"	50.0		104	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS							Prepared & Analyzed: 02/28/2022				
n-Propylbenzene	51.1		ug/L	50.0		102	74-136				
o-Xylene	51.4		"	50.0		103	83-123				
p- & m- Xylenes	99.2		"	100		99.2	82-128				
p-Isopropyltoluene	53.0		"	50.0		106	85-125				
sec-Butylbenzene	51.8		"	50.0		104	83-125				
Styrene	49.6		"	50.0		99.2	86-126				
tert-Butyl alcohol (TBA)	199		"	250		79.7	70-130				
tert-Butylbenzene	45.9		"	50.0		91.8	80-127				
Tetrachloroethylene	45.6		"	50.0		91.3	80-129				
Toluene	45.8		"	50.0		91.7	85-121				
trans-1,2-Dichloroethylene	44.3		"	50.0		88.6	72-132				
trans-1,3-Dichloropropylene	52.5		"	50.0		105	78-132				
Trichloroethylene	48.4		"	50.0		96.7	84-123				
Trichlorofluoromethane	40.2		"	50.0		80.4	62-140				
Vinyl Chloride	41.8		"	50.0		83.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
LCS Dup (BB22701-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
1,1,1,2-Tetrachloroethane	49.6		ug/L	50.0		99.2	75-129		2.47	30	
1,1,1-Trichloroethane	46.2		"	50.0		92.4	71-137		1.83	30	
1,1,2,2-Tetrachloroethane	51.7		"	50.0		103	79-129		2.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		91.9	58-146		0.830	30	
1,1,2-Trichloroethane	47.3		"	50.0		94.6	83-123		1.45	30	
1,1-Dichloroethane	44.3		"	50.0		88.6	75-130		0.452	30	
1,1-Dichloroethylene	45.2		"	50.0		90.4	64-137		0.622	30	
1,2,3-Trichlorobenzene	54.7		"	50.0		109	81-140		0.329	30	
1,2,3-Trichloropropane	51.4		"	50.0		103	81-126		2.04	30	
1,2,4-Trichlorobenzene	56.2		"	50.0		112	80-141		0.744	30	
1,2,4-Trimethylbenzene	52.9		"	50.0		106	84-125		0.132	30	
1,2-Dibromo-3-chloropropane	53.4		"	50.0		107	74-142		3.91	30	
1,2-Dibromoethane	50.5		"	50.0		101	86-123		2.61	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	85-122		1.70	30	
1,2-Dichloroethane	46.1		"	50.0		92.1	71-133		1.97	30	
1,2-Dichloropropane	49.5		"	50.0		98.9	81-122		1.98	30	
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126		0.136	30	
1,3-Dichlorobenzene	51.5		"	50.0		103	84-124		1.29	30	
1,4-Dichlorobenzene	51.5		"	50.0		103	84-124		0.662	30	
1,4-Dioxane	1330		"	1050		127	10-228		7.93	30	
2-Butanone	45.1		"	50.0		90.3	58-147		0.868	30	
2-Hexanone	48.1		"	50.0		96.3	70-139		1.78	30	
4-Methyl-2-pentanone	50.2		"	50.0		100	72-132		1.67	30	
Acetone	26.5		"	50.0		53.0	36-155		1.20	30	
Acrolein	39.2		"	50.0		78.4	10-238		5.02	30	
Acrylonitrile	45.1		"	50.0		90.2	66-141		5.40	30	
Benzene	45.9		"	50.0		91.8	77-127		2.00	30	
Bromochloromethane	44.6		"	50.0		89.2	74-129		0.901	30	
Bromodichloromethane	49.6		"	50.0		99.2	81-124		1.42	30	
Bromoform	53.5		"	50.0		107	80-136		0.0187	30	
Bromomethane	42.1		"	50.0		84.2	32-177		4.42	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS Dup (BB22701-BSD1) LCS Dup								Prepared & Analyzed: 02/28/2022			
Carbon disulfide	46.6		ug/L	50.0		93.2	10-136		0.0858	30	
Carbon tetrachloride	46.9		"	50.0		93.9	66-143		0.107	30	
Chlorobenzene	51.1		"	50.0		102	86-120		1.88	30	
Chloroethane	42.0		"	50.0		83.9	51-142		0.973	30	
Chloroform	46.0		"	50.0		92.0	76-131		0.874	30	
Chloromethane	43.5		"	50.0		87.1	49-132		3.14	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.2	74-132		3.27	30	
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129		1.54	30	
Cyclohexane	36.5		"	50.0		73.0	70-130		1.21	30	
Dibromochloromethane	50.9		"	50.0		102	10-200		2.40	30	
Dibromomethane	47.7		"	50.0		95.5	83-124		2.10	30	
Dichlorodifluoromethane	35.2		"	50.0		70.4	28-158		2.61	30	
Ethyl Benzene	50.1		"	50.0		100	84-125		1.39	30	
Hexachlorobutadiene	52.5		"	50.0		105	83-133		2.14	30	
Isopropylbenzene	55.2		"	50.0		110	81-127		1.42	30	
Methyl acetate	41.1		"	50.0		82.2	41-143		2.02	30	
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131		0.0799	30	
Methylcyclohexane	49.1		"	50.0		98.1	70-130		1.60	30	
Methylene chloride	43.7		"	50.0		87.4	57-141		0.527	30	
n-Butylbenzene	53.6		"	50.0		107	80-130		3.20	30	
n-Propylbenzene	52.1		"	50.0		104	74-136		1.90	30	
o-Xylene	52.2		"	50.0		104	83-123		1.55	30	
p- & m- Xylenes	101		"	100		101	82-128		1.43	30	
p-Isopropyltoluene	53.2		"	50.0		106	85-125		0.471	30	
sec-Butylbenzene	52.1		"	50.0		104	83-125		0.596	30	
Styrene	50.7		"	50.0		101	86-126		2.15	30	
tert-Butyl alcohol (TBA)	204		"	250		81.6	70-130		2.42	30	
tert-Butylbenzene	46.7		"	50.0		93.4	80-127		1.68	30	
Tetrachloroethylene	46.0		"	50.0		92.0	80-129		0.808	30	
Toluene	47.0		"	50.0		93.9	85-121		2.44	30	
trans-1,2-Dichloroethylene	45.4		"	50.0		90.9	72-132		2.50	30	
trans-1,3-Dichloropropylene	52.3		"	50.0		105	78-132		0.439	30	
Trichloroethylene	49.6		"	50.0		99.3	84-123		2.59	30	
Trichlorofluoromethane	39.3		"	50.0		78.7	62-140		2.14	30	
Vinyl Chloride	41.6		"	50.0		83.2	52-130		0.599	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21321 - EPA 5035A											
Blank (BC21321-BLK1) Blank									Prepared & Analyzed: 03/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21321 - EPA 5035A											
Blank (BC21321-BLK1) Blank								Prepared & Analyzed: 03/01/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.4*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
LCS (BC21321-BS1) LCS								Prepared & Analyzed: 03/01/2022			
1,1,1,2-Tetrachloroethane	49.1		ug/L	50.0		98.1	75-129				
1,1,1-Trichloroethane	46.0		"	50.0		92.0	71-137				
1,1,2,2-Tetrachloroethane	51.9		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.1		"	50.0		90.2	58-146				
1,1,2-Trichloroethane	47.4		"	50.0		94.8	83-123				
1,1-Dichloroethane	44.1		"	50.0		88.1	75-130				
1,1-Dichloroethylene	44.2		"	50.0		88.3	64-137				
1,2,3-Trichlorobenzene	54.8		"	50.0		110	81-140				
1,2,3-Trichloropropane	51.7		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	55.9		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	52.0		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	53.3		"	50.0		107	74-142				
1,2-Dibromoethane	50.8		"	50.0		102	86-123				
1,2-Dichlorobenzene	49.4		"	50.0		98.8	85-122				
1,2-Dichloroethane	45.8		"	50.0		91.7	71-133				
1,2-Dichloropropane	48.8		"	50.0		97.6	81-122				
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126				
1,3-Dichlorobenzene	50.9		"	50.0		102	84-124				
1,4-Dichlorobenzene	50.6		"	50.0		101	84-124				
1,4-Dioxane	1330		"	1050		127	10-228				
2-Butanone	46.2		"	50.0		92.4	58-147				
2-Hexanone	49.7		"	50.0		99.3	70-139				
4-Methyl-2-pentanone	52.0		"	50.0		104	72-132				
Acetone	26.4		"	50.0		52.8	36-155				
Acrolein	38.5		"	50.0		77.0	10-238				
Acrylonitrile	46.2		"	50.0		92.3	66-141				
Benzene	45.7		"	50.0		91.4	77-127				
Bromochloromethane	44.7		"	50.0		89.4	74-129				
Bromodichloromethane	49.3		"	50.0		98.6	81-124				
Bromoform	55.4		"	50.0		111	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21321 - EPA 5035A											
LCS (BC21321-BS1) LCS							Prepared & Analyzed: 03/01/2022				
Bromomethane	40.6		ug/L	50.0		81.1	32-177				
Carbon disulfide	45.6		"	50.0		91.3	10-136				
Carbon tetrachloride	46.7		"	50.0		93.5	66-143				
Chlorobenzene	50.4		"	50.0		101	86-120				
Chloroethane	41.4		"	50.0		82.8	51-142				
Chloroform	46.2		"	50.0		92.5	76-131				
Chloromethane	42.4		"	50.0		84.8	49-132				
cis-1,2-Dichloroethylene	46.0		"	50.0		91.9	74-132				
cis-1,3-Dichloropropylene	52.7		"	50.0		105	81-129				
Cyclohexane	36.4		"	50.0		72.8	70-130				
Dibromochloromethane	50.7		"	50.0		101	10-200				
Dibromomethane	47.8		"	50.0		95.7	83-124				
Dichlorodifluoromethane	32.3		"	50.0		64.6	28-158				
Ethyl Benzene	48.8		"	50.0		97.5	84-125				
Hexachlorobutadiene	50.9		"	50.0		102	83-133				
Isopropylbenzene	53.8		"	50.0		108	81-127				
Methyl acetate	42.4		"	50.0		84.8	41-143				
Methyl tert-butyl ether (MTBE)	51.3		"	50.0		103	74-131				
Methylcyclohexane	48.4		"	50.0		96.9	70-130				
Methylene chloride	43.5		"	50.0		87.0	57-141				
n-Butylbenzene	52.7		"	50.0		105	80-130				
n-Propylbenzene	50.4		"	50.0		101	74-136				
o-Xylene	51.5		"	50.0		103	83-123				
p- & m- Xylenes	98.6		"	100		98.6	82-128				
p-Isopropyltoluene	52.7		"	50.0		105	85-125				
sec-Butylbenzene	51.4		"	50.0		103	83-125				
Styrene	49.9		"	50.0		99.8	86-126				
tert-Butyl alcohol (TBA)	242		"	250		96.8	70-130				
tert-Butylbenzene	46.0		"	50.0		92.0	80-127				
Tetrachloroethylene	45.6		"	50.0		91.2	80-129				
Toluene	46.2		"	50.0		92.5	85-121				
trans-1,2-Dichloroethylene	44.5		"	50.0		89.1	72-132				
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132				
Trichloroethylene	48.8		"	50.0		97.7	84-123				
Trichlorofluoromethane	39.0		"	50.0		78.0	62-140				
Vinyl Chloride	40.1		"	50.0		80.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.1*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21321 - EPA 5035A											
LCS Dup (BC21321-BSD1) LCS Dup							Prepared & Analyzed: 03/01/2022				
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129		1.37	30	
1,1,1-Trichloroethane	45.8		"	50.0		91.5	71-137		0.567	30	
1,1,2,2-Tetrachloroethane	51.2		"	50.0		102	79-129		1.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.7		"	50.0		89.3	58-146		0.958	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.7	83-123		0.882	30	
1,1-Dichloroethane	43.8		"	50.0		87.6	75-130		0.615	30	
1,1-Dichloroethylene	44.0		"	50.0		88.1	64-137		0.227	30	
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140		0.366	30	
1,2,3-Trichloropropane	51.8		"	50.0		104	81-126		0.193	30	
1,2,4-Trichlorobenzene	54.9		"	50.0		110	80-141		1.91	30	
1,2,4-Trimethylbenzene	50.6		"	50.0		101	84-125		2.67	30	
1,2-Dibromo-3-chloropropane	54.7		"	50.0		109	74-142		2.54	30	
1,2-Dibromoethane	50.9		"	50.0		102	86-123		0.138	30	
1,2-Dichlorobenzene	49.3		"	50.0		98.6	85-122		0.203	30	
1,2-Dichloroethane	46.0		"	50.0		92.0	71-133		0.392	30	
1,2-Dichloropropane	48.4		"	50.0		96.8	81-122		0.802	30	
1,3,5-Trimethylbenzene	49.4		"	50.0		98.9	82-126		2.08	30	
1,3-Dichlorobenzene	49.2		"	50.0		98.4	84-124		3.42	30	
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124		1.87	30	
1,4-Dioxane	1350		"	1050		128	10-228		1.43	30	
2-Butanone	48.0		"	50.0		95.9	58-147		3.74	30	
2-Hexanone	51.1		"	50.0		102	70-139		2.84	30	
4-Methyl-2-pentanone	52.0		"	50.0		104	72-132		0.115	30	
Acetone	27.1		"	50.0		54.2	36-155		2.58	30	
Acrolein	38.5		"	50.0		76.9	10-238		0.104	30	
Acrylonitrile	46.2		"	50.0		92.4	66-141		0.0650	30	
Benzene	45.0		"	50.0		90.0	77-127		1.46	30	
Bromochloromethane	44.4		"	50.0		88.7	74-129		0.741	30	
Bromodichloromethane	48.9		"	50.0		97.7	81-124		0.876	30	
Bromoform	55.5		"	50.0		111	80-136		0.198	30	
Bromomethane	40.0		"	50.0		80.0	32-177		1.42	30	
Carbon disulfide	44.9		"	50.0		89.9	10-136		1.55	30	
Carbon tetrachloride	45.7		"	50.0		91.4	66-143		2.23	30	
Chlorobenzene	49.4		"	50.0		98.8	86-120		1.90	30	
Chloroethane	40.4		"	50.0		80.7	51-142		2.52	30	
Chloroform	45.8		"	50.0		91.6	76-131		1.02	30	
Chloromethane	40.5		"	50.0		81.0	49-132		4.58	30	
cis-1,2-Dichloroethylene	45.4		"	50.0		90.8	74-132		1.29	30	
cis-1,3-Dichloropropylene	52.4		"	50.0		105	81-129		0.609	30	
Cyclohexane	35.5		"	50.0		71.0	70-130		2.59	30	
Dibromochloromethane	50.4		"	50.0		101	10-200		0.593	30	
Dibromomethane	47.5		"	50.0		95.1	83-124		0.629	30	
Dichlorodifluoromethane	31.8		"	50.0		63.7	28-158		1.50	30	
Ethyl Benzene	48.4		"	50.0		96.8	84-125		0.721	30	
Hexachlorobutadiene	50.7		"	50.0		101	83-133		0.374	30	
Isopropylbenzene	53.2		"	50.0		106	81-127		1.18	30	
Methyl acetate	43.2		"	50.0		86.3	41-143		1.82	30	
Methyl tert-butyl ether (MTBE)	51.2		"	50.0		102	74-131		0.215	30	
Methylcyclohexane	47.6		"	50.0		95.2	70-130		1.71	30	
Methylene chloride	43.3		"	50.0		86.6	57-141		0.507	30	
n-Butylbenzene	51.5		"	50.0		103	80-130		2.29	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21321 - EPA 5035A											
LCS Dup (BC21321-BSD1) LCS Dup								Prepared & Analyzed: 03/01/2022			
n-Propylbenzene	49.8		ug/L	50.0		99.6	74-136		1.22	30	
o-Xylene	51.2		"	50.0		102	83-123		0.487	30	
p- & m- Xylenes	96.7		"	100		96.7	82-128		2.00	30	
p-Isopropyltoluene	50.9		"	50.0		102	85-125		3.45	30	
sec-Butylbenzene	50.4		"	50.0		101	83-125		1.91	30	
Styrene	49.6		"	50.0		99.1	86-126		0.704	30	
tert-Butyl alcohol (TBA)	216		"	250		86.3	70-130		11.5	30	
tert-Butylbenzene	44.7		"	50.0		89.4	80-127		2.78	30	
Tetrachloroethylene	44.8		"	50.0		89.6	80-129		1.77	30	
Toluene	45.6		"	50.0		91.1	85-121		1.53	30	
trans-1,2-Dichloroethylene	43.7		"	50.0		87.4	72-132		1.86	30	
trans-1,3-Dichloropropylene	52.2		"	50.0		104	78-132		1.69	30	
Trichloroethylene	48.3		"	50.0		96.6	84-123		1.11	30	
Trichlorofluoromethane	37.9		"	50.0		75.8	62-140		2.81	30	
Vinyl Chloride	39.0		"	50.0		77.9	52-130		2.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*76-130*				

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

Batch BB22678 - EPA 3546 SVOA

Blank (BB22678-BLK1) Blank — Prepared: 02/26/2022 Analyzed: 02/28/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
Blank (BB22678-BLK1) Blank									Prepared: 02/26/2022 Analyzed: 02/28/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.46*		"	*1.66*		*88.1*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.45*		"	*1.66*		*87.2*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.751*		"	*0.831*		*90.4*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.716*		"	*0.831*		*86.2*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.56*		"	*1.66*		*93.7*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.841*		"	*0.831*		*101*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
LCS (BB22678-BS1) LCS								Prepared: 02/26/2022 Analyzed: 02/28/2022			
1,1-Biphenyl	0.540	0.0416	mg/kg wet	0.831		65.0	70-130	Low Bias		30	
1,2,4,5-Tetrachlorobenzene	0.568	0.0830	"	0.831		68.4	70-130	Low Bias		30	
1,2-Diphenylhydrazine (as Azobenzene)	0.627	0.0416	"	0.831		75.5	17-137			30	
2,3,4,6-Tetrachlorophenol	0.671	0.0830	"	0.831		80.8	70-130			30	
2,4,5-Trichlorophenol	0.602	0.0416	"	0.831		72.5	70-130			30	
2,4,6-Trichlorophenol	0.573	0.0416	"	0.831		69.0	70-130	Low Bias		30	
2,4-Dichlorophenol	0.618	0.0416	"	0.831		74.4	70-130			30	
2,4-Dimethylphenol	0.527	0.0416	"	0.831		63.4	70-130	Low Bias		30	
2,4-Dinitrophenol	0.555	0.0830	"	0.831		66.8	20-160			30	
2,4-Dinitrotoluene	0.758	0.0416	"	0.831		91.3	70-130			30	
2,6-Dinitrotoluene	0.670	0.0416	"	0.831		80.7	70-130			30	
2-Chloronaphthalene	0.542	0.0416	"	0.831		65.2	70-130	Low Bias		30	
2-Chlorophenol	0.550	0.0416	"	0.831		66.3	70-130	Low Bias		30	
2-Methylnaphthalene	0.597	0.0416	"	0.831		71.9	70-130			30	
2-Methylphenol	0.558	0.0416	"	0.831		67.2	70-130	Low Bias		30	
2-Nitroaniline	0.683	0.0830	"	0.831		82.3	70-130			30	
2-Nitrophenol	0.662	0.0416	"	0.831		79.8	70-130			30	
3- & 4-Methylphenols	0.450	0.0416	"	0.831		54.2	20-160			30	
3,3-Dichlorobenzidine	0.585	0.0416	"	0.831		70.4	70-130			30	
3-Nitroaniline	0.433	0.0830	"	0.831		52.1	70-130	Low Bias		30	
4,6-Dinitro-2-methylphenol	0.760	0.0830	"	0.831		91.6	70-130			30	
4-Bromophenyl phenyl ether	0.584	0.0416	"	0.831		70.3	70-130			30	
4-Chloro-3-methylphenol	0.613	0.0416	"	0.831		73.8	70-130			30	
4-Chloroaniline	0.281	0.0416	"	0.831		33.8	70-130	Low Bias		30	
4-Chlorophenyl phenyl ether	0.515	0.0416	"	0.831		62.0	70-130	Low Bias		30	
4-Nitroaniline	0.603	0.0830	"	0.831		72.6	70-130			30	
4-Nitrophenol	0.687	0.0830	"	0.831		82.7	20-160			30	
Acenaphthene	0.613	0.0416	"	0.831		73.8	70-130			30	
Acenaphthylene	0.525	0.0416	"	0.831		63.2	70-130	Low Bias		30	
Acetophenone	0.486	0.0416	"	0.831		58.6	70-130	Low Bias		30	
Aniline	0.514	0.166	"	0.831		61.8	10-119			30	
Anthracene	0.667	0.0416	"	0.831		80.3	70-130			30	
Atrazine	0.635	0.0416	"	0.831		76.4	70-130			30	
Benzaldehyde	0.539	0.0416	"	0.831		64.9	20-160			30	
Benzo(a)anthracene	0.587	0.0416	"	0.831		70.6	70-130			30	
Benzo(a)pyrene	0.538	0.0416	"	0.831		64.7	70-130	Low Bias		30	
Benzo(b)fluoranthene	0.608	0.0416	"	0.831		73.2	70-130			30	
Benzo(g,h,i)perylene	0.615	0.0416	"	0.831		74.0	70-130			30	
Benzo(k)fluoranthene	0.582	0.0416	"	0.831		70.0	70-130			30	
Benzoic acid	0.201	0.0416	"	0.831		24.2	10-140			30	
Benzyl alcohol	0.552	0.0416	"	0.831		66.5	30-115			30	
Benzyl butyl phthalate	0.652	0.0416	"	0.831		78.5	70-130			30	
Bis(2-chloroethoxy)methane	0.567	0.0416	"	0.831		68.3	70-130	Low Bias		30	
Bis(2-chloroethyl)ether	0.492	0.0416	"	0.831		59.3	70-130	Low Bias		30	
Bis(2-chloroisopropyl)ether	0.546	0.0416	"	0.831		65.7	70-130	Low Bias		30	
Bis(2-ethylhexyl)phthalate	0.582	0.0416	"	0.831		70.1	70-130			30	
Caprolactam	0.642	0.0830	"	0.831		77.2	20-160			30	
Carbazole	0.636	0.0416	"	0.831		76.5	70-130			30	
Chrysene	0.592	0.0416	"	0.831		71.2	70-130			30	
Dibenzo(a,h)anthracene	0.690	0.0416	"	0.831		83.1	70-130			30	
Dibenzofuran	0.537	0.0416	"	0.831		64.6	70-130	Low Bias		30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
LCS (BB22678-BS1) LCS								Prepared: 02/26/2022 Analyzed: 02/28/2022			
Diethyl phthalate	0.540	0.0416	mg/kg wet	0.831		65.0	70-130	Low Bias		30	
Dimethyl phthalate	0.552	0.0416	"	0.831		66.5	70-130	Low Bias		30	
Di-n-butyl phthalate	0.584	0.0416	"	0.831		70.4	70-130			30	
Di-n-octyl phthalate	0.577	0.0416	"	0.831		69.4	70-130	Low Bias		30	
Diphenylamine	0.724	0.0830	"	0.831		87.2	40-140			30	
Fluoranthene	0.542	0.0416	"	0.831		65.3	70-130	Low Bias		30	
Fluorene	0.643	0.0416	"	0.831		77.4	70-130			30	
Hexachlorobenzene	0.613	0.0416	"	0.831		73.8	70-130			30	
Hexachlorobutadiene	0.568	0.0416	"	0.831		68.4	70-130	Low Bias		30	
Hexachlorocyclopentadiene	0.525	0.0416	"	0.831		63.2	20-160			30	
Hexachloroethane	0.501	0.0416	"	0.831		60.4	20-160			30	
Indeno(1,2,3-cd)pyrene	0.609	0.0416	"	0.831		73.3	70-130			30	
Isophorone	0.588	0.0416	"	0.831		70.8	70-130			30	
Naphthalene	0.655	0.0416	"	0.831		78.8	70-130			30	
Nitrobenzene	0.665	0.0416	"	0.831		80.0	70-130			30	
N-Nitrosodimethylamine	0.604	0.0416	"	0.831		72.7	11-129			30	
N-nitroso-di-n-propylamine	0.510	0.0416	"	0.831		61.4	70-130	Low Bias		30	
N-Nitrosodiphenylamine	0.741	0.0416	"	0.831		89.2	70-130			30	
Pentachlorophenol	0.677	0.0416	"	0.831		81.5	20-160			30	
Phenanthrene	0.584	0.0416	"	0.831		70.4	70-130			30	
Phenol	0.525	0.0416	"	0.831		63.2	20-160			30	
Pyrene	0.626	0.0416	"	0.831		75.4	70-130			30	
Pyridine	0.540	0.166	"	0.831		65.0	10-91			30	
Surrogate: SURR: 2-Fluorophenol	*1.20*		"	*1.66*		*72.2*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.16*		"	*1.66*		*70.0*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.671*		"	*0.831*		*80.8*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.541*		"	*0.831*		*65.2*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.32*		"	*1.66*		*79.5*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.639*		"	*0.831*		*76.9*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
Matrix Spike (BB22678-MS1) Matrix Spike	*Source sample: 22B0985-01 (Matrix Spike)								Prepared: 02/26/2022 Analyzed: 02/28/2022		
1,1-Biphenyl	0.508	0.0870	mg/kg dry	0.869	ND	58.5	70-130	Low Bias		30	
1,2,4,5-Tetrachlorobenzene	0.622	0.174	"	0.869	ND	71.5	70-130			30	
1,2-Diphenylhydrazine (as Azobenzene)	0.676	0.0870	"	0.869	ND	77.8	10-144			30	
2,3,4,6-Tetrachlorophenol	0.688	0.174	"	0.869	ND	79.2	70-130			30	
2,4,5-Trichlorophenol	0.638	0.0870	"	0.869	ND	73.4	70-130			30	
2,4,6-Trichlorophenol	0.588	0.0870	"	0.869	ND	67.7	70-130	Low Bias		30	
2,4-Dichlorophenol	0.696	0.0870	"	0.869	ND	80.1	70-130			30	
2,4-Dimethylphenol	0.602	0.0870	"	0.869	ND	69.3	70-130	Low Bias		30	
2,4-Dinitrophenol	0.801	0.174	"	0.869	ND	92.2	20-160			30	
2,4-Dinitrotoluene	0.702	0.0870	"	0.869	ND	80.7	70-130			30	
2,6-Dinitrotoluene	0.660	0.0870	"	0.869	ND	75.9	70-130			30	
2-Chloronaphthalene	0.606	0.0870	"	0.869	ND	69.7	70-130	Low Bias		30	
2-Chlorophenol	0.561	0.0870	"	0.869	ND	64.6	70-130	Low Bias		30	
2-Methylnaphthalene	0.642	0.0870	"	0.869	ND	73.8	70-130			30	
2-Methylphenol	0.554	0.0870	"	0.869	ND	63.8	70-130	Low Bias		30	
2-Nitroaniline	0.664	0.174	"	0.869	ND	76.4	70-130			30	
2-Nitrophenol	0.708	0.0870	"	0.869	ND	81.5	70-130			30	
3- & 4-Methylphenols	0.524	0.0870	"	0.869	ND	60.2	20-160			30	
3,3-Dichlorobenzidine	0.665	0.0870	"	0.869	ND	76.6	70-160			30	
3-Nitroaniline	0.524	0.174	"	0.869	ND	60.3	70-130	Low Bias		30	
4,6-Dinitro-2-methylphenol	0.810	0.174	"	0.869	ND	93.2	70-130			30	
4-Bromophenyl phenyl ether	0.581	0.0870	"	0.869	ND	66.9	70-130	Low Bias		30	
4-Chloro-3-methylphenol	0.612	0.0870	"	0.869	ND	70.4	70-130			30	
4-Chloroaniline	0.376	0.0870	"	0.869	ND	43.3	70-130	Low Bias		30	
4-Chlorophenyl phenyl ether	0.475	0.0870	"	0.869	ND	54.6	70-130	Low Bias		30	
4-Nitroaniline	0.608	0.174	"	0.869	ND	70.0	70-130			30	
4-Nitrophenol	0.688	0.174	"	0.869	ND	79.1	20-160			30	
Acenaphthene	0.572	0.0870	"	0.869	ND	65.8	70-130	Low Bias		30	
Acenaphthylene	0.575	0.0870	"	0.869	ND	66.2	70-130	Low Bias		30	
Acetophenone	0.619	0.0870	"	0.869	ND	71.3	70-130			30	
Aniline	0.560	0.348	"	0.869	ND	64.4	10-123			30	
Anthracene	0.606	0.0870	"	0.869	ND	69.8	70-130	Low Bias		30	
Atrazine	0.659	0.0870	"	0.869	ND	75.8	70-130			30	
Benzaldehyde	0.517	0.0870	"	0.869	ND	59.4	20-160			30	
Benzo(a)anthracene	0.631	0.0870	"	0.869	ND	72.6	70-130			30	
Benzo(a)pyrene	0.549	0.0870	"	0.869	ND	63.2	70-130	Low Bias		30	
Benzo(b)fluoranthene	0.565	0.0870	"	0.869	ND	65.0	70-130	Low Bias		30	
Benzo(g,h,i)perylene	0.727	0.0870	"	0.869	ND	83.7	70-130			30	
Benzo(k)fluoranthene	0.612	0.0870	"	0.869	ND	70.4	70-130			30	
Benzoic acid	0.981	0.0870	"	0.869	ND	113	10-166			30	
Benzyl alcohol	0.596	0.0870	"	0.869	ND	68.6	12-124			30	
Benzyl butyl phthalate	0.674	0.0870	"	0.869	ND	77.6	70-130			30	
Bis(2-chloroethoxy)methane	0.615	0.0870	"	0.869	ND	70.7	70-130			30	
Bis(2-chloroethyl)ether	0.533	0.0870	"	0.869	ND	61.3	70-130	Low Bias		30	
Bis(2-chloroisopropyl)ether	0.580	0.0870	"	0.869	ND	66.7	70-130	Low Bias		30	
Bis(2-ethylhexyl)phthalate	0.623	0.0870	"	0.869	ND	71.7	70-130			30	
Caprolactam	0.799	0.174	"	0.869	ND	91.9	20-160			30	
Carbazole	0.623	0.0870	"	0.869	ND	71.7	70-130			30	
Chrysene	0.601	0.0870	"	0.869	ND	69.1	70-130	Low Bias		30	
Dibenzo(a,h)anthracene	0.670	0.0870	"	0.869	ND	77.0	70-130			30	
Dibenzofuran	0.598	0.0870	"	0.869	ND	68.8	70-130	Low Bias		30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
Matrix Spike (BB22678-MS1) Matrix Spike	*Source sample: 22B0985-01 (Matrix Spike)								Prepared: 02/26/2022 Analyzed: 02/28/2022		
Diethyl phthalate	0.528	0.0870	mg/kg dry	0.869	ND	60.7	70-130	Low Bias		30	
Dimethyl phthalate	0.567	0.0870	"	0.869	ND	65.2	70-130	Low Bias		30	
Di-n-butyl phthalate	0.638	0.0870	"	0.869	ND	73.4	70-130			30	
Di-n-octyl phthalate	0.622	0.0870	"	0.869	ND	71.5	70-130			30	
Diphenylamine	0.777	0.174	"	0.869	ND	89.4	40-140			30	
Fluoranthene	0.598	0.0870	"	0.869	ND	68.8	70-130	Low Bias		30	
Fluorene	0.585	0.0870	"	0.869	ND	67.3	70-130	Low Bias		30	
Hexachlorobenzene	0.665	0.0870	"	0.869	ND	76.6	70-130			30	
Hexachlorobutadiene	0.674	0.0870	"	0.869	ND	77.6	70-130			30	
Hexachlorocyclopentadiene	0.485	0.0870	"	0.869	ND	55.8	20-160			30	
Hexachloroethane	0.560	0.0870	"	0.869	ND	64.4	20-160			30	
Indeno(1,2,3-cd)pyrene	0.607	0.0870	"	0.869	ND	69.8	70-130	Low Bias		30	
Isophorone	0.592	0.0870	"	0.869	ND	68.2	70-130	Low Bias		30	
Naphthalene	0.592	0.0870	"	0.869	ND	68.1	70-130	Low Bias		30	
Nitrobenzene	0.733	0.0870	"	0.869	ND	84.4	70-130			30	
N-Nitrosodimethylamine	0.558	0.0870	"	0.869	ND	64.2	10-126			30	
N-nitroso-di-n-propylamine	0.584	0.0870	"	0.869	ND	67.2	70-130	Low Bias		30	
N-Nitrosodiphenylamine	0.779	0.0870	"	0.869	ND	89.7	70-130			30	
Pentachlorophenol	0.679	0.0870	"	0.869	ND	78.1	20-160			30	
Phenanthrene	0.558	0.0870	"	0.869	ND	64.2	70-130	Low Bias		30	
Phenol	0.628	0.0870	"	0.869	ND	72.2	20-160			30	
Pyrene	0.581	0.0870	"	0.869	ND	66.8	70-130	Low Bias		30	
Pyridine	0.406	0.348	"	0.869	ND	46.7	10-83			30	
Surrogate: SURR: 2-Fluorophenol	*1.25*		"	*1.74*		*72.0*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.30*		"	*1.74*		*74.8*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.733*		"	*0.869*		*84.4*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.583*		"	*0.869*		*67.1*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.31*		"	*1.74*		*75.4*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.611*		"	*0.869*		*70.3*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22678 - EPA 3546 SVOA

Matrix Spike Dup (BB22678-M Matrix Spike Dup Source sample: 22B0985-01 (Matrix Spike Dup) Prepared: 02/26/2022 Analyzed: 02/28/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.772	0.0870	mg/kg dry	0.869	ND	88.8	70-130		41.2	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.850	0.174	"	0.869	ND	97.8	70-130		31.0	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.984	0.0870	"	0.869	ND	113	10-144		37.1	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.932	0.174	"	0.869	ND	107	70-130		30.1	30	Non-dir.
2,4,5-Trichlorophenol	0.875	0.0870	"	0.869	ND	101	70-130		31.2	30	Non-dir.
2,4,6-Trichlorophenol	0.795	0.0870	"	0.869	ND	91.5	70-130		29.9	30	
2,4-Dichlorophenol	0.810	0.0870	"	0.869	ND	93.2	70-130		15.1	30	
2,4-Dimethylphenol	0.874	0.0870	"	0.869	ND	101	70-130		36.8	30	Non-dir.
2,4-Dinitrophenol	1.12	0.174	"	0.869	ND	128	20-160		32.9	30	Non-dir.
2,4-Dinitrotoluene	1.02	0.0870	"	0.869	ND	117	70-130		37.1	30	Non-dir.
2,6-Dinitrotoluene	0.899	0.0870	"	0.869	ND	103	70-130		30.7	30	Non-dir.
2-Chloronaphthalene	0.781	0.0870	"	0.869	ND	89.9	70-130		25.4	30	
2-Chlorophenol	0.744	0.0870	"	0.869	ND	85.6	70-130		28.0	30	
2-Methylnaphthalene	0.850	0.0870	"	0.869	ND	97.8	70-130		28.0	30	
2-Methylphenol	0.745	0.0870	"	0.869	ND	85.8	70-130		29.4	30	
2-Nitroaniline	1.03	0.174	"	0.869	ND	119	70-130		43.6	30	Non-dir.
2-Nitrophenol	0.902	0.0870	"	0.869	ND	104	70-130		24.1	30	
3- & 4-Methylphenols	0.747	0.0870	"	0.869	ND	85.9	20-160		35.1	30	Non-dir.
3,3-Dichlorobenzidine	0.916	0.0870	"	0.869	ND	105	70-160		31.7	30	Non-dir.
3-Nitroaniline	0.706	0.174	"	0.869	ND	81.3	70-130		29.6	30	
4,6-Dinitro-2-methylphenol	1.15	0.174	"	0.869	ND	133	70-130	High Bias	35.1	30	Non-dir.
4-Bromophenyl phenyl ether	0.801	0.0870	"	0.869	ND	92.2	70-130		31.8	30	Non-dir.
4-Chloro-3-methylphenol	0.816	0.0870	"	0.869	ND	93.9	70-130		28.6	30	
4-Chloroaniline	0.523	0.0870	"	0.869	ND	60.2	70-130	Low Bias	32.6	30	Non-dir.
4-Chlorophenyl phenyl ether	0.724	0.0870	"	0.869	ND	83.3	70-130		41.5	30	Non-dir.
4-Nitroaniline	0.832	0.174	"	0.869	ND	95.8	70-130		31.1	30	Non-dir.
4-Nitrophenol	0.971	0.174	"	0.869	ND	112	20-160		34.2	30	Non-dir.
Acenaphthene	0.779	0.0870	"	0.869	ND	89.7	70-130		30.7	30	Non-dir.
Acenaphthylene	0.825	0.0870	"	0.869	ND	94.9	70-130		35.7	30	Non-dir.
Acetophenone	0.804	0.0870	"	0.869	ND	92.5	70-130		25.9	30	
Aniline	0.838	0.348	"	0.869	ND	96.4	10-123		39.8	30	Non-dir.
Anthracene	0.905	0.0870	"	0.869	ND	104	70-130		39.5	30	Non-dir.
Atrazine	0.993	0.0870	"	0.869	ND	114	70-130		40.4	30	Non-dir.
Benzaldehyde	0.694	0.0870	"	0.869	ND	79.8	20-160		29.3	30	
Benzo(a)anthracene	0.837	0.0870	"	0.869	ND	96.3	70-130		28.1	30	
Benzo(a)pyrene	0.761	0.0870	"	0.869	ND	87.6	70-130		32.4	30	Non-dir.
Benzo(b)fluoranthene	0.786	0.0870	"	0.869	ND	90.4	70-130		32.7	30	Non-dir.
Benzo(g,h,i)perylene	1.01	0.0870	"	0.869	ND	116	70-130		32.4	30	Non-dir.
Benzo(k)fluoranthene	0.775	0.0870	"	0.869	ND	89.2	70-130		23.6	30	
Benzoic acid	1.11	0.0870	"	0.869	ND	127	10-166		12.1	30	
Benzyl alcohol	0.810	0.0870	"	0.869	ND	93.2	12-124		30.5	30	Non-dir.
Benzyl butyl phthalate	0.905	0.0870	"	0.869	ND	104	70-130		29.2	30	
Bis(2-chloroethoxy)methane	0.900	0.0870	"	0.869	ND	104	70-130		37.7	30	Non-dir.
Bis(2-chloroethyl)ether	0.775	0.0870	"	0.869	ND	89.2	70-130		37.1	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.759	0.0870	"	0.869	ND	87.3	70-130		26.7	30	
Bis(2-ethylhexyl)phthalate	0.846	0.0870	"	0.869	ND	97.4	70-130		30.4	30	Non-dir.
Caprolactam	0.991	0.174	"	0.869	ND	114	20-160		21.5	30	
Carbazole	0.934	0.0870	"	0.869	ND	107	70-130		39.9	30	Non-dir.
Chrysene	0.759	0.0870	"	0.869	ND	87.3	70-130		23.2	30	
Dibenzo(a,h)anthracene	0.915	0.0870	"	0.869	ND	105	70-130		31.0	30	Non-dir.
Dibenzofuran	0.704	0.0870	"	0.869	ND	81.0	70-130		16.3	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22678 - EPA 3546 SVOA											
Matrix Spike Dup (BB22678-M Matrix Spike Dup	*Source sample: 22B0985-01 (Matrix Spike Dup)								Prepared: 02/26/2022 Analyzed: 02/28/2022		
Diethyl phthalate	0.828	0.0870	mg/kg dry	0.869	ND	95.3	70-130		44.3	30	Non-dir.
Dimethyl phthalate	0.779	0.0870	"	0.869	ND	89.7	70-130		31.6	30	Non-dir.
Di-n-butyl phthalate	0.877	0.0870	"	0.869	ND	101	70-130		31.5	30	Non-dir.
Di-n-octyl phthalate	0.848	0.0870	"	0.869	ND	97.6	70-130		30.8	30	Non-dir.
Diphenylamine	1.20	0.174	"	0.869	ND	138	40-140		42.5	30	Non-dir.
Fluoranthene	0.857	0.0870	"	0.869	ND	98.6	70-130		35.6	30	Non-dir.
Fluorene	0.813	0.0870	"	0.869	ND	93.5	70-130		32.6	30	Non-dir.
Hexachlorobenzene	0.895	0.0870	"	0.869	ND	103	70-130		29.5	30	
Hexachlorobutadiene	0.769	0.0870	"	0.869	ND	88.5	70-130		13.1	30	
Hexachlorocyclopentadiene	0.801	0.0870	"	0.869	ND	92.2	20-160		49.2	30	Non-dir.
Hexachloroethane	0.807	0.0870	"	0.869	ND	92.9	20-160		36.2	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.845	0.0870	"	0.869	ND	97.2	70-130		32.8	30	Non-dir.
Isophorone	0.824	0.0870	"	0.869	ND	94.8	70-130		32.7	30	Non-dir.
Naphthalene	0.870	0.0870	"	0.869	ND	100	70-130		38.1	30	Non-dir.
Nitrobenzene	0.788	0.0870	"	0.869	ND	90.7	70-130		7.22	30	
N-Nitrosodimethylamine	0.761	0.0870	"	0.869	ND	87.5	10-126		30.7	30	Non-dir.
N-nitroso-di-n-propylamine	0.785	0.0870	"	0.869	ND	90.3	70-130		29.4	30	
N-Nitrosodiphenylamine	1.18	0.0870	"	0.869	ND	136	70-130	High Bias	40.8	30	Non-dir.
Pentachlorophenol	1.00	0.0870	"	0.869	ND	116	20-160		38.7	30	Non-dir.
Phenanthrene	0.801	0.0870	"	0.869	ND	92.2	70-130		35.8	30	Non-dir.
Phenol	0.866	0.0870	"	0.869	ND	99.7	20-160		31.9	30	Non-dir.
Pyrene	0.779	0.0870	"	0.869	ND	89.6	70-130		29.2	30	
Pyridine	0.581	0.348	"	0.869	ND	66.9	10-83		35.5	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*1.52*		"	*1.74*		*87.5*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.71*		"	*1.74*		*98.3*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.840*		"	*0.869*		*96.6*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.752*		"	*0.869*		*86.5*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.07*		"	*1.74*		*119*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.821*		"	*0.869*		*94.5*	*30-130*				

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

Batch BC21608 - EPA 3546 SVOA

Blank (BC21608-BLK1) Blank — Prepared: 03/05/2022 Analyzed: 03/07/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21608 - EPA 3546 SVOA											
Blank (BC21608-BLK1) Blank									Prepared: 03/05/2022 Analyzed: 03/07/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.19*		"	*1.66*		*71.8*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.20*		"	*1.66*		*71.9*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.612*		"	*0.831*		*73.7*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.706*		"	*0.831*		*85.0*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.58*		"	*1.66*		*94.8*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.755*		"	*0.831*		*90.9*	*30-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC21608 - EPA 3546 SVOA

LCS (BC21608-BS1) LCS — Prepared: 03/05/2022 Analyzed: 03/07/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.557	0.0416	mg/kg wet	0.831		67.1	70-130	Low Bias		30	
1,2,4,5-Tetrachlorobenzene	0.708	0.0830	"	1.66		42.6	70-130	Low Bias		30	
1,2-Diphenylhydrazine (as Azobenzene)	0.404	0.0416	"	1.66		24.3	17-137			30	
2,3,4,6-Tetrachlorophenol	0.494	0.0830	"	1.66		29.8	70-130	Low Bias		30	
2,4,5-Trichlorophenol	0.566	0.0416	"	1.66		34.1	70-130	Low Bias		30	
2,4,6-Trichlorophenol	0.659	0.0416	"	1.66		39.7	70-130	Low Bias		30	
2,4-Dichlorophenol	0.675	0.0416	"	1.66		40.6	70-130	Low Bias		30	
2,4-Dimethylphenol	0.606	0.0416	"	1.66		36.5	70-130	Low Bias		30	
2,4-Dinitrophenol	ND	0.0830	"	1.66			20-160	Low Bias		30	
2,4-Dinitrotoluene	0.650	0.0416	"	1.66		39.1	70-130	Low Bias		30	
2,6-Dinitrotoluene	0.675	0.0416	"	1.66		40.7	70-130	Low Bias		30	
2-Chloronaphthalene	0.573	0.0416	"	1.66		34.5	70-130	Low Bias		30	
2-Chlorophenol	0.558	0.0416	"	1.66		33.6	70-130	Low Bias		30	
2-Methylnaphthalene	0.609	0.0416	"	1.66		36.7	70-130	Low Bias		30	
2-Methylphenol	0.553	0.0416	"	1.66		33.3	70-130	Low Bias		30	
2-Nitroaniline	0.601	0.0830	"	1.66		36.2	70-130	Low Bias		30	
2-Nitrophenol	0.701	0.0416	"	1.66		42.2	70-130	Low Bias		30	
3- & 4-Methylphenols	0.367	0.0416	"	1.66		22.1	20-160			30	
3,3-Dichlorobenzidine	0.409	0.0416	"	1.66		24.6	70-130	Low Bias		30	
3-Nitroaniline	0.457	0.0830	"	1.66		27.5	70-130	Low Bias		30	
4,6-Dinitro-2-methylphenol	0.541	0.0830	"	1.66		32.6	70-130	Low Bias		30	
4-Bromophenyl phenyl ether	0.588	0.0416	"	1.66		35.4	70-130	Low Bias		30	
4-Chloro-3-methylphenol	0.600	0.0416	"	1.66		36.1	70-130	Low Bias		30	
4-Chloroaniline	0.185	0.0416	"	1.66		11.1	70-130	Low Bias		30	
4-Chlorophenyl phenyl ether	0.646	0.0416	"	1.66		38.9	70-130	Low Bias		30	
4-Nitroaniline	ND	0.0830	"	1.66			70-130	Low Bias		30	
4-Nitrophenol	0.655	0.0830	"	1.66		39.5	20-160			30	
Acenaphthene	0.567	0.0416	"	1.66		34.1	70-130	Low Bias		30	
Acenaphthylene	0.527	0.0416	"	1.66		31.7	70-130	Low Bias		30	
Acetophenone	0.555	0.0416	"	0.831		66.9	70-130	Low Bias		30	
Aniline	0.709	0.166	"	1.66		42.7	10-119			30	
Anthracene	0.596	0.0416	"	1.66		35.9	70-130	Low Bias		30	
Atrazine	0.763	0.0416	"	0.831		91.9	70-130			30	
Benzaldehyde	0.531	0.0416	"	0.831		63.9	20-160			30	
Benzo(a)anthracene	0.586	0.0416	"	1.66		35.3	70-130	Low Bias		30	
Benzo(a)pyrene	0.598	0.0416	"	1.66		36.0	70-130	Low Bias		30	
Benzo(b)fluoranthene	0.587	0.0416	"	1.66		35.3	70-130	Low Bias		30	
Benzo(g,h,i)perylene	0.682	0.0416	"	1.66		41.1	70-130	Low Bias		30	
Benzo(k)fluoranthene	0.582	0.0416	"	1.66		35.0	70-130	Low Bias		30	
Benzoic acid	0.0309	0.0416	"	0.831		3.72	10-140	Low Bias		30	
Benzyl alcohol	0.425	0.0416	"	1.66		25.6	30-115	Low Bias		30	
Benzyl butyl phthalate	0.559	0.0416	"	1.66		33.7	70-130	Low Bias		30	
Bis(2-chloroethoxy)methane	0.488	0.0416	"	1.66		29.4	70-130	Low Bias		30	
Bis(2-chloroethyl)ether	0.987	0.0416	"	1.66		59.4	70-130	Low Bias		30	
Bis(2-chloroisopropyl)ether	0.377	0.0416	"	1.66		22.7	70-130	Low Bias		30	
Bis(2-ethylhexyl)phthalate	0.597	0.0416	"	1.66		35.9	70-130	Low Bias		30	
Caprolactam	0.604	0.0830	"	0.831		72.7	20-160			30	
Carbazole	0.538	0.0416	"	1.66		32.4	70-130	Low Bias		30	
Chrysene	0.576	0.0416	"	1.66		34.7	70-130	Low Bias		30	
Dibenzo(a,h)anthracene	0.739	0.0416	"	1.66		44.5	70-130	Low Bias		30	
Dibenzofuran	0.581	0.0416	"	1.66		35.0	70-130	Low Bias		30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21608 - EPA 3546 SVOA											
LCS (BC21608-BS1) LCS								Prepared: 03/05/2022 Analyzed: 03/07/2022			
Diethyl phthalate	0.556	0.0416	mg/kg wet	1.66		33.5	70-130	Low Bias		30	
Dimethyl phthalate	0.584	0.0416	"	1.66		35.1	70-130	Low Bias		30	
Di-n-butyl phthalate	0.539	0.0416	"	1.66		32.4	70-130	Low Bias		30	
Di-n-octyl phthalate	0.606	0.0416	"	1.66		36.5	70-130	Low Bias		30	
Diphenylamine	0.656	0.0830	"	1.66		39.5	40-140	Low Bias		30	
Fluoranthene	0.565	0.0416	"	1.66		34.0	70-130	Low Bias		30	
Fluorene	0.589	0.0416	"	1.66		35.5	70-130	Low Bias		30	
Hexachlorobenzene	0.498	0.0416	"	1.66		30.0	70-130	Low Bias		30	
Hexachlorobutadiene	0.676	0.0416	"	1.66		40.7	70-130	Low Bias		30	
Hexachlorocyclopentadiene	0.164	0.0416	"	1.66		9.88	20-160	Low Bias		30	
Hexachloroethane	0.513	0.0416	"	1.66		30.9	20-160			30	
Indeno(1,2,3-cd)pyrene	0.670	0.0416	"	1.66		40.3	70-130	Low Bias		30	
Isophorone	0.451	0.0416	"	1.66		27.2	70-130	Low Bias		30	
Naphthalene	0.571	0.0416	"	1.66		34.4	70-130	Low Bias		30	
Nitrobenzene	0.458	0.0416	"	1.66		27.6	70-130	Low Bias		30	
N-Nitrosodimethylamine	0.336	0.0416	"	1.66		20.2	11-129			30	
N-nitroso-di-n-propylamine	0.418	0.0416	"	1.66		25.1	70-130	Low Bias		30	
N-Nitrosodiphenylamine	0.626	0.0416	"	1.66		37.7	70-130	Low Bias		30	
Pentachlorophenol	0.300	0.0416	"	1.66		18.1	20-160	Low Bias		30	
Phenanthrene	0.550	0.0416	"	1.66		33.1	70-130	Low Bias		30	
Phenol	0.538	0.0416	"	1.66		32.4	20-160			30	
Pyrene	0.586	0.0416	"	1.66		35.3	70-130	Low Bias		30	
Pyridine	0.235	0.166	"	1.66		14.2	10-91			30	
Surrogate: SURR: 2-Fluorophenol	*1.14*		*"*	*1.66*		*68.6*	*30-130*				
Surrogate: SURR: Phenol-d5	*1.03*		*"*	*1.66*		*61.9*	*30-130*				
Surrogate: SURR: Nitrobenzene-d5	*0.507*		*"*	*0.831*		*61.1*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.592*		*"*	*0.831*		*71.3*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.42*		*"*	*1.66*		*85.3*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.620*		*"*	*0.831*		*74.7*	*30-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22738 - EPA 3550C												
Blank (BB22738-BLK1)	Blank									Prepared: 02/28/2022 Analyzed: 03/01/2022		
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*277*		*"*	*495*		*56.0*	*39-127.5*				
LCS (BB22738-BS1)	LCS									Prepared: 02/28/2022 Analyzed: 03/01/2022		
1,4-Dioxane		537	19.8	ug/kg	495		108	40-130				
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*39-127.5*				
Matrix Spike (BB22738-MS1)	Matrix Spike	*Source sample: 22B1212-02 (SW01_4.5)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
1,4-Dioxane		537	19.8	ug/kg	495	ND	108	40-130				
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*40-130*				
Matrix Spike Dup (BB22738-M	Matrix Spike Dup	*Source sample: 22B1212-02 (SW01_4.5)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
1,4-Dioxane		516	19.8	ug/kg	495	ND	104	40-130		3.95	30	
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*40-130*				
Batch BC21651 - EPA 3550C												
Blank (BC21651-BLK1)	Blank									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*356*		*"*	*495*		*72.0*	*39-127.5*				
LCS (BC21651-BS1)	LCS									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane		520	19.8	ug/kg	495		105	40-130				
Surrogate: 1,4-Dioxane-d8		*396*		*"*	*495*		*80.0*	*39-127.5*				
Matrix Spike (BC21651-MS1)	Matrix Spike	*Source sample: 22B1212-05 (EP76_4.5)								Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane		495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8		*376*		*"*	*495*		*76.0*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21651 - EPA 3550C											
Matrix Spike Dup (BC21651-M Matrix Spike Dup	*Source sample: 22B1212-05 (EP76_4.5)								Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB22725-BLK1) Blank								Prepared & Analyzed: 02/28/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*68.3*		"	*74.3*		*91.9*	*25-150*				
Surrogate: M5PFHxA	*76.5*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*75.1*		"	*80.0*		*93.9*	*25-150*				
Surrogate: M3PFHxS	*75.6*		"	*75.7*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.6*		"	*80.0*		*99.5*	*25-150*				
Surrogate: M6PFDA	*83.2*		"	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*74.1*		"	*80.0*		*92.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*67.3*		"	*80.0*		*84.1*	*25-150*				
Surrogate: M2PFTeDA	*57.7*		"	*80.0*		*72.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.4*		"	*80.0*		*86.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.6*		"	*76.6*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.9*		"	*80.0*		*89.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.7*		"	*80.0*		*59.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*97.5*		"	*80.0*		*122*	*25-150*				
Surrogate: d5-N-EtFOSAA	*109*		"	*80.0*		*136*	*25-150*				
Surrogate: M2-6:2 FTS	*86.0*		"	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*90.5*		"	*76.6*		*118*	*25-200*				
Surrogate: M9PFNA	*77.3*		"	*80.0*		*96.6*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB22725-BS1) LCS							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	71.3	2.00	ng/L	70.8		101	50-130				
Perfluorohexanoic acid (PFHxA)	70.3	2.00	"	80.0		87.8	50-130				
Perfluoroheptanoic acid (PFHpA)	70.1	2.00	"	80.0		87.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.5	2.00	"	72.8		87.2	50-130				
Perfluorooctanoic acid (PFOA)	62.2	2.00	"	80.0		77.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.9	2.00	"	74.0		99.9	50-130				
Perfluorononanoic acid (PFNA)	73.7	2.00	"	80.0		92.1	50-130				
Perfluorodecanoic acid (PFDA)	71.3	2.00	"	80.0		89.1	50-130				
Perfluoroundecanoic acid (PFUnA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorododecanoic acid (PFDoA)	69.7	2.00	"	80.0		87.1	50-130				
Perfluorotridecanoic acid (PFTrDA)	61.8	2.00	"	80.0		77.2	50-130				
Perfluorotetradecanoic acid (PFTA)	66.2	2.00	"	80.0		82.8	50-130				
N-MeFOSAA	68.6	2.00	"	80.0		85.8	50-130				
N-EtFOSAA	76.6	2.00	"	80.0		95.7	50-130				
Perfluoropentanoic acid (PFPeA)	74.3	2.00	"	80.0		92.8	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.4	2.00	"	80.0		95.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	84.5	2.00	"	76.4		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	2.00	"	77.2		87.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	62.3	5.00	"	76.0		82.0	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.0	2.00	"	76.8		92.5	50-175				
Perfluoro-n-butanoic acid (PFBA)	74.4	2.00	"	80.0		93.0	50-130				
Surrogate: M3PFBS	*68.5*		*"*	*74.3*		*92.2*	*25-150*				
Surrogate: M5PFHxA	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*81.2*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*78.0*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*94.8*		*"*	*80.0*		*118*	*25-150*				
Surrogate: M6PFDA	*81.9*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M7PFUdA	*83.3*		*"*	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: M2PFTeDA	*68.5*		*"*	*80.0*		*85.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.0*		*"*	*80.0*		*90.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.8*		*"*	*76.6*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.7*		*"*	*80.0*		*94.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.7*		*"*	*80.0*		*65.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*109*		*"*	*80.0*		*136*	*25-150*				
Surrogate: d5-N-EtFOSAA	*118*		*"*	*80.0*		*147*	*25-150*				
Surrogate: M2-6:2 FTS	*105*		*"*	*75.9*		*138*	*25-200*				
Surrogate: M2-8:2 FTS	*125*		*"*	*76.6*		*163*	*25-200*				
Surrogate: M9PFNA	*80.1*		*"*	*80.0*		*100*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB22725-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	69.3	2.00	ng/L	70.8		97.8	50-130		2.95	30	
Perfluorohexanoic acid (PFHxA)	72.0	2.00	"	80.0		90.1	50-130		2.49	30	
Perfluoroheptanoic acid (PFHpA)	74.5	2.00	"	80.0		93.1	50-130		6.15	30	
Perfluorohexanesulfonic acid (PFHxS)	63.0	2.00	"	72.8		86.5	50-130		0.798	30	
Perfluorooctanoic acid (PFOA)	70.8	2.00	"	80.0		88.5	50-130		13.0	30	
Perfluorooctanesulfonic acid (PFOS)	82.2	2.00	"	74.0		111	50-130		10.6	30	
Perfluorononanoic acid (PFNA)	75.7	2.00	"	80.0		94.7	50-130		2.73	30	
Perfluorodecanoic acid (PFDA)	66.8	2.00	"	80.0		83.5	50-130		6.54	30	
Perfluoroundecanoic acid (PFUnA)	70.6	2.00	"	80.0		88.3	50-130		9.49	30	
Perfluorododecanoic acid (PFDoA)	74.1	2.00	"	80.0		92.7	50-130		6.17	30	
Perfluorotridecanoic acid (PFTrDA)	68.1	2.00	"	80.0		85.1	50-130		9.63	30	
Perfluorotetradecanoic acid (PFTA)	75.4	2.00	"	80.0		94.2	50-130		12.9	30	
N-MeFOSAA	77.3	2.00	"	80.0		96.7	50-130		11.9	30	
N-EtFOSAA	82.1	2.00	"	80.0		103	50-130		6.99	30	
Perfluoropentanoic acid (PFPeA)	77.9	2.00	"	80.0		97.3	50-130		4.72	30	
Perfluoro-1-octanesulfonamide (FOSA)	81.8	2.00	"	80.0		102	50-130		6.89	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.6	2.00	"	76.4		104	50-130		5.97	30	
Perfluoro-1-decanesulfonic acid (PFDS)	67.5	2.00	"	77.2		87.5	50-130		0.410	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	49.3	5.00	"	76.0		64.9	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	2.00	"	76.8		89.1	50-175		3.72	30	
Perfluoro-n-butanoic acid (PFBA)	77.0	2.00	"	80.0		96.2	50-130		3.39	30	
Surrogate: M3PFBS	*64.1*		*"*	*74.3*		*86.3*	*25-150*				
Surrogate: M5PFHxA	*72.9*		*"*	*80.0*		*91.1*	*25-150*				
Surrogate: M4PFHpA	*69.2*		*"*	*80.0*		*86.5*	*25-150*				
Surrogate: M3PFHxS	*70.1*		*"*	*75.7*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.1*		*"*	*80.0*		*90.2*	*25-150*				
Surrogate: M6PFDA	*79.3*		*"*	*80.0*		*99.1*	*25-150*				
Surrogate: M7PFUdA	*73.1*		*"*	*80.0*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.9*		*"*	*80.0*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*58.3*		*"*	*80.0*		*72.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.9*		*"*	*76.6*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.1*		*"*	*80.0*		*81.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.8*		*"*	*80.0*		*58.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*90.2*		*"*	*80.0*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*83.4*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*106*		*"*	*75.9*		*140*	*25-200*				
Surrogate: M2-8:2 FTS	*88.8*		*"*	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*70.0*		*"*	*80.0*		*87.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22744 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BB22744-BLK1) Blank									Prepared: 02/28/2022 Analyzed: 03/02/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*3.75*		"	*4.57*		*81.9*	*25-150*				
Surrogate: M5PFHxA	*4.10*		"	*4.92*		*83.4*	*25-150*				
Surrogate: M4PFHpA	*4.08*		"	*4.92*		*83.0*	*25-150*				
Surrogate: M3PFHxS	*3.78*		"	*4.66*		*81.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.98*		"	*4.92*		*81.0*	*25-150*				
Surrogate: M6PFDA	*4.40*		"	*4.92*		*89.3*	*25-150*				
Surrogate: M7PFUdA	*3.46*		"	*4.92*		*70.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.95*		"	*4.92*		*59.9*	*25-150*				
Surrogate: M2PFTeDA	*2.09*		"	*4.92*		*42.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.76*		"	*4.92*		*76.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.98*		"	*4.71*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.08*		"	*4.92*		*82.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.64*		"	*4.92*		*73.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.29*		"	*4.92*		*87.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.83*		"	*4.92*		*77.9*	*25-150*				
Surrogate: M2-6:2 FTS	*4.53*		"	*4.67*		*97.0*	*25-200*				
Surrogate: M2-8:2 FTS	*3.44*		"	*4.71*		*73.0*	*25-200*				
Surrogate: M9PFNA	*3.42*		"	*4.92*		*69.5*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22744 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB22744-BS1) LCS								Prepared: 02/28/2022 Analyzed: 03/02/2022			
Perfluorobutanesulfonic acid (PFBS)	4.49	0.240	ug/kg wet	4.24		106	50-130				
Perfluorohexanoic acid (PFHxA)	4.69	0.240	"	4.80		97.9	50-130				
Perfluoroheptanoic acid (PFHpA)	4.70	0.240	"	4.80		97.9	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.25	0.240	"	4.36		97.4	50-130				
Perfluorooctanoic acid (PFOA)	3.99	0.240	"	4.80		83.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.90	0.240	"	4.44		87.9	50-130				
Perfluorononanoic acid (PFNA)	4.72	0.240	"	4.80		98.5	50-130				
Perfluorodecanoic acid (PFDA)	3.70	0.240	"	4.80		77.2	50-130				
Perfluoroundecanoic acid (PFUnA)	4.38	0.240	"	4.80		91.3	50-130				
Perfluorododecanoic acid (PFDoA)	4.38	0.240	"	4.80		91.4	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.69	0.240	"	4.80		77.0	50-130				
Perfluorotetradecanoic acid (PFTA)	4.29	0.240	"	4.80		89.4	50-130				
N-MeFOSAA	4.05	0.240	"	4.80		84.5	50-130				
N-EtFOSAA	4.17	0.240	"	4.80		87.0	50-130				
Perfluoropentanoic acid (PFPeA)	4.44	0.240	"	4.80		92.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	3.98	0.240	"	4.80		83.0	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.12	0.240	"	4.58		89.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.88	0.240	"	4.63		83.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.47	0.240	"	4.56		120	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.69	0.240	"	4.60		102	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.56	0.240	"	4.80		95.2	50-130				
Surrogate: M3PFBS	*3.74*		*"*	*4.45*		*84.0*	*25-150*				
Surrogate: M5PFHxA	*4.45*		*"*	*4.80*		*92.9*	*25-150*				
Surrogate: M4PFHpA	*4.08*		*"*	*4.80*		*85.0*	*25-150*				
Surrogate: M3PFHxS	*4.02*		*"*	*4.54*		*88.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.55*		*"*	*4.80*		*95.0*	*25-150*				
Surrogate: M6PFDA	*4.87*		*"*	*4.80*		*102*	*25-150*				
Surrogate: M7PFUdA	*3.73*		*"*	*4.80*		*77.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.83*		*"*	*4.80*		*79.8*	*25-150*				
Surrogate: M2PFTeDA	*2.97*		*"*	*4.80*		*62.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.93*		*"*	*4.80*		*82.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.96*		*"*	*4.59*		*86.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.33*		*"*	*4.80*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.97*		*"*	*4.80*		*82.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.03*		*"*	*4.80*		*105*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.30*		*"*	*4.80*		*110*	*25-150*				
Surrogate: M2-6:2 FTS	*3.42*		*"*	*4.55*		*75.2*	*25-200*				
Surrogate: M2-8:2 FTS	*4.05*		*"*	*4.59*		*88.2*	*25-200*				
Surrogate: M9PFNA	*4.03*		*"*	*4.80*		*84.1*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BB22744 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BB22744-MS1) Matrix Spike *Source sample: 22B1190-02 (Matrix Spike) Prepared: 02/28/2022 Analyzed: 03/02/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.01	0.275	ug/kg dry	4.86	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	5.64	0.275	"	5.50	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	5.92	0.275	"	5.50	ND	108	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.45	0.275	"	5.00	ND	89.0	25-150				
Perfluorooctanoic acid (PFOA)	6.67	0.275	"	5.50	ND	121	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.98	0.275	"	5.08	ND	118	25-150				
Perfluorononanoic acid (PFNA)	5.80	0.275	"	5.50	ND	105	25-150				
Perfluorodecanoic acid (PFDA)	4.20	0.275	"	5.50	ND	76.5	25-150				
Perfluoroundecanoic acid (PFUnA)	5.43	0.275	"	5.50	ND	98.7	25-150				
Perfluorododecanoic acid (PFDoA)	5.30	0.275	"	5.50	ND	96.5	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.23	0.275	"	5.50	ND	95.2	25-150				
Perfluorotetradecanoic acid (PFTA)	4.93	0.275	"	5.50	ND	89.6	25-150				
N-MeFOSAA	5.36	0.275	"	5.50	ND	97.5	25-150				
N-EtFOSAA	5.20	0.275	"	5.50	ND	94.5	25-150				
Perfluoropentanoic acid (PFPeA)	5.66	0.275	"	5.50	ND	103	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.55	0.275	"	5.50	ND	82.8	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.77	0.275	"	5.25	ND	110	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.42	0.275	"	5.30	ND	83.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.83	0.275	"	5.22	ND	92.5	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.68	0.275	"	5.28	ND	146	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.84	0.275	"	5.50	ND	106	25-150				
Surrogate: M3PFBS	*4.71*		"	*5.11*		*92.2*	*25-150*				
Surrogate: M5PFHxA	*5.01*		"	*5.50*		*91.2*	*25-150*				
Surrogate: M4PFHpA	*4.72*		"	*5.50*		*85.8*	*25-150*				
Surrogate: M3PFHxS	*4.64*		"	*5.20*		*89.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.05*		"	*5.50*		*73.7*	*25-150*				
Surrogate: M6PFDA	*5.22*		"	*5.50*		*94.9*	*25-150*				
Surrogate: M7PFUdA	*3.30*		"	*5.50*		*60.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.48*		"	*5.50*		*63.3*	*25-150*				
Surrogate: M2PFTeDA	*3.30*		"	*5.50*		*60.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.41*		"	*5.50*		*80.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.96*		"	*5.26*		*75.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.83*		"	*5.50*		*87.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.28*		"	*5.50*		*77.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.29*		"	*5.50*		*78.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.54*		"	*5.50*		*64.4*	*25-150*				
Surrogate: M2-6:2 FTS	*5.93*		"	*5.22*		*114*	*25-200*				
Surrogate: M2-8:2 FTS	*2.82*		"	*5.26*		*53.5*	*25-200*				
Surrogate: M9PFNA	*4.23*		"	*5.50*		*77.0*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22744 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BB22744-M Matrix Spike Dup	*Source sample: 22B1190-02 (Matrix Spike Dup)								Prepared: 02/28/2022 Analyzed: 03/02/2022		
Perfluorobutanesulfonic acid (PFBS)	5.04	0.260	ug/kg dry	4.61	ND	109	25-150		0.599	35	
Perfluorohexanoic acid (PFHxA)	4.96	0.260	"	5.21	ND	95.2	25-150		12.9	35	
Perfluoroheptanoic acid (PFHpA)	5.57	0.260	"	5.21	ND	107	25-150		6.16	35	
Perfluorohexanesulfonic acid (PFHxS)	4.12	0.260	"	4.74	ND	86.9	25-150		7.67	35	
Perfluorooctanoic acid (PFOA)	5.13	0.260	"	5.21	ND	98.5	25-150		26.1	35	
Perfluorooctanesulfonic acid (PFOS)	4.99	0.260	"	4.82	ND	104	25-150		18.0	35	
Perfluorononanoic acid (PFNA)	5.50	0.260	"	5.21	ND	106	25-150		5.15	35	
Perfluorodecanoic acid (PFDA)	4.05	0.260	"	5.21	ND	77.7	25-150		3.84	35	
Perfluoroundecanoic acid (PFUnA)	4.68	0.260	"	5.21	ND	89.9	25-150		14.7	35	
Perfluorododecanoic acid (PFDoA)	4.84	0.260	"	5.21	ND	92.8	25-150		9.18	35	
Perfluorotridecanoic acid (PFTrDA)	4.49	0.260	"	5.21	ND	86.1	25-150		15.3	35	
Perfluorotetradecanoic acid (PFTA)	5.02	0.260	"	5.21	ND	96.4	25-150		1.94	35	
N-MeFOSAA	4.98	0.260	"	5.21	ND	95.7	25-150		7.19	35	
N-EtFOSAA	4.64	0.260	"	5.21	ND	89.0	25-150		11.4	35	
Perfluoropentanoic acid (PFPeA)	5.11	0.260	"	5.21	ND	98.1	25-150		10.2	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.23	0.260	"	5.21	ND	100	25-150		13.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.74	0.260	"	4.97	ND	115	25-150		0.565	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	0.260	"	5.03	ND	76.8	25-150		13.4	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.92	0.260	"	4.95	ND	120	25-200		20.3	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.60	0.260	"	5.00	ND	112	25-200		31.4	35	
Perfluoro-n-butanoic acid (PFBA)	5.10	0.260	"	5.21	ND	98.0	25-150		13.4	35	
Surrogate: M3PFBS	*3.74*		"	*4.84*		*77.2*	*25-150*				
Surrogate: M5PFHxA	*4.63*		"	*5.21*		*88.8*	*25-150*				
Surrogate: M4PFHpA	*4.01*		"	*5.21*		*76.9*	*25-150*				
Surrogate: M3PFHxS	*4.22*		"	*4.93*		*85.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.15*		"	*5.21*		*79.6*	*25-150*				
Surrogate: M6PFDA	*4.95*		"	*5.21*		*95.1*	*25-150*				
Surrogate: M7PFUdA	*3.37*		"	*5.21*		*64.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.26*		"	*5.21*		*62.5*	*25-150*				
Surrogate: M2PFTeDA	*2.54*		"	*5.21*		*48.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.10*		"	*5.21*		*78.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.63*		"	*4.99*		*72.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.30*		"	*5.21*		*82.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.31*		"	*5.21*		*63.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.27*		"	*5.21*		*82.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.77*		"	*5.21*		*72.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.18*		"	*4.94*		*84.6*	*25-200*				
Surrogate: M2-8:2 FTS	*4.01*		"	*4.99*		*80.4*	*25-200*				
Surrogate: M9PFNA	*3.81*		"	*5.21*		*73.2*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21557 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BC21557-BLK1) Blank									Prepared: 03/04/2022 Analyzed: 03/08/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*4.85*		"	*4.58*		*106*	*25-150*				
Surrogate: M5PFHxA	*5.49*		"	*4.93*		*111*	*25-150*				
Surrogate: M4PFHpA	*4.58*		"	*4.93*		*92.9*	*25-150*				
Surrogate: M3PFHxS	*4.60*		"	*4.66*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.19*		"	*4.93*		*105*	*25-150*				
Surrogate: M6PFDA	*4.69*		"	*4.93*		*95.2*	*25-150*				
Surrogate: M7PFUdA	*3.53*		"	*4.93*		*71.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.75*		"	*4.93*		*76.2*	*25-150*				
Surrogate: M2PFTeDA	*2.76*		"	*4.93*		*56.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.12*		"	*4.93*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.44*		"	*4.72*		*94.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.27*		"	*4.93*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.04*		"	*4.93*		*82.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.04*		"	*4.93*		*81.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.13*		"	*4.93*		*83.7*	*25-150*				
Surrogate: M2-6:2 FTS	*4.81*		"	*4.68*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*2.51*		"	*4.72*		*53.1*	*25-200*				
Surrogate: M9PFNA	*5.57*		"	*4.93*		*113*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21557 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC21557-BS1) LCS								Prepared: 03/04/2022 Analyzed: 03/08/2022			
Perfluorobutanesulfonic acid (PFBS)	4.29	0.236	ug/kg wet	4.18		103	50-130				
Perfluorohexanoic acid (PFHxA)	4.23	0.236	"	4.72		89.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.69	0.236	"	4.72		99.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.14	0.236	"	4.30		96.4	50-130				
Perfluorooctanoic acid (PFOA)	4.12	0.236	"	4.72		87.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.37	0.236	"	4.37		123	50-130				
Perfluorononanoic acid (PFNA)	3.68	0.236	"	4.72		78.0	50-130				
Perfluorodecanoic acid (PFDA)	3.43	0.236	"	4.72		72.7	50-130				
Perfluoroundecanoic acid (PFUnA)	4.52	0.236	"	4.72		95.7	50-130				
Perfluorododecanoic acid (PFDoA)	4.35	0.236	"	4.72		92.1	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.75	0.236	"	4.72		79.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.54	0.236	"	4.72		96.1	50-130				
N-MeFOSAA	3.94	0.236	"	4.72		83.5	50-130				
N-EtFOSAA	4.91	0.236	"	4.72		104	50-130				
Perfluoropentanoic acid (PFPeA)	4.39	0.236	"	4.72		92.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.39	0.236	"	4.72		92.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.10	0.236	"	4.51		113	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.89	0.236	"	4.56		85.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.57	0.236	"	4.49		79.6	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.88	0.236	"	4.53		108	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.54	0.236	"	4.72		96.2	50-130				
Surrogate: M3PFBS	*4.18*		*"*	*4.39*		*95.2*	*25-150*				
Surrogate: M5PFHxA	*4.81*		*"*	*4.72*		*102*	*25-150*				
Surrogate: M4PFHpA	*4.43*		*"*	*4.72*		*93.7*	*25-150*				
Surrogate: M3PFHxS	*4.15*		*"*	*4.47*		*92.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.60*		*"*	*4.72*		*97.5*	*25-150*				
Surrogate: M6PFDA	*4.91*		*"*	*4.72*		*104*	*25-150*				
Surrogate: M7PFUdA	*3.72*		*"*	*4.72*		*78.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.95*		*"*	*4.72*		*83.6*	*25-150*				
Surrogate: M2PFTeDA	*3.18*		*"*	*4.72*		*67.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.60*		*"*	*4.72*		*97.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.51*		*"*	*4.52*		*77.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.56*		*"*	*4.72*		*96.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.79*		*"*	*4.72*		*80.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.61*		*"*	*4.72*		*97.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.08*		*"*	*4.72*		*86.3*	*25-150*				
Surrogate: M2-6:2 FTS	*5.50*		*"*	*4.48*		*123*	*25-200*				
Surrogate: M2-8:2 FTS	*3.53*		*"*	*4.53*		*78.1*	*25-200*				
Surrogate: M9PFNA	*5.46*		*"*	*4.72*		*116*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21557 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC21557-MS1) Matrix Spike	*Source sample: 22B1212-05 (EP76_4.5)								Prepared: 03/04/2022 Analyzed: 03/08/2022		
Perfluorobutanesulfonic acid (PFBS)	4.64	0.271	ug/kg dry	4.80	ND	96.7	25-150				
Perfluorohexanoic acid (PFHxA)	5.22	0.271	"	5.43	ND	96.2	25-150				
Perfluoroheptanoic acid (PFHpA)	5.74	0.271	"	5.43	ND	106	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.64	0.271	"	4.94	ND	94.0	25-150				
Perfluorooctanoic acid (PFOA)	4.90	0.271	"	5.43	ND	90.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.85	0.271	"	5.02	ND	96.6	25-150				
Perfluorononanoic acid (PFNA)	4.96	0.271	"	5.43	ND	91.5	25-150				
Perfluorodecanoic acid (PFDA)	3.99	0.271	"	5.43	ND	73.5	25-150				
Perfluoroundecanoic acid (PFUnA)	4.79	0.271	"	5.43	ND	88.4	25-150				
Perfluorododecanoic acid (PFDoA)	4.86	0.271	"	5.43	ND	89.7	25-150				
Perfluorotridecanoic acid (PFTrDA)	6.05	0.271	"	5.43	ND	111	25-150				
Perfluorotetradecanoic acid (PFTA)	4.84	0.271	"	5.43	ND	89.2	25-150				
N-MeFOSAA	4.35	0.271	"	5.43	ND	80.2	25-150				
N-EtFOSAA	5.19	0.271	"	5.43	ND	95.7	25-150				
Perfluoropentanoic acid (PFPeA)	5.08	0.271	"	5.43	ND	93.6	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.91	0.271	"	5.43	ND	90.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.37	0.271	"	5.18	ND	104	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.82	0.271	"	5.24	ND	73.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.16	0.271	"	5.15	ND	80.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.96	0.271	"	5.21	ND	114	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.16	0.271	"	5.43	ND	95.2	25-150				
Surrogate: M3PFBS	*4.94*		*"*	*5.04*		*98.1*	*25-150*				
Surrogate: M5PFHxA	*5.16*		*"*	*5.43*		*95.1*	*25-150*				
Surrogate: M4PFHpA	*5.11*		*"*	*5.43*		*94.1*	*25-150*				
Surrogate: M3PFHxS	*4.94*		*"*	*5.13*		*96.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.51*		*"*	*5.43*		*102*	*25-150*				
Surrogate: M6PFDA	*5.56*		*"*	*5.43*		*102*	*25-150*				
Surrogate: M7PFUdA	*4.16*		*"*	*5.43*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.26*		*"*	*5.43*		*60.0*	*25-150*				
Surrogate: M2PFTeDA	*3.85*		*"*	*5.43*		*71.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.25*		*"*	*5.43*		*96.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.86*		*"*	*5.19*		*93.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.27*		*"*	*5.43*		*97.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.22*		*"*	*5.43*		*77.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.15*		*"*	*5.43*		*94.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.32*		*"*	*5.43*		*79.7*	*25-150*				
Surrogate: M2-6:2 FTS	*5.06*		*"*	*5.15*		*98.3*	*25-200*				
Surrogate: M2-8:2 FTS	*2.83*		*"*	*5.20*		*54.5*	*25-200*				
Surrogate: M9PFNA	*6.07*		*"*	*5.43*		*112*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BC21557 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC21557-M Matrix Spike Dup *Source sample: 22B1212-05 (EP76_4.5) Prepared: 03/04/2022 Analyzed: 03/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.35	0.254	ug/kg dry	4.50	ND	96.6	25-150		6.56	35	
Perfluorohexanoic acid (PFHxA)	4.51	0.254	"	5.08	ND	88.7	25-150		14.5	35	
Perfluoroheptanoic acid (PFHpA)	5.65	0.254	"	5.08	ND	111	25-150		1.67	35	
Perfluorohexanesulfonic acid (PFHxS)	4.60	0.254	"	4.63	ND	99.4	25-150		0.926	35	
Perfluorooctanoic acid (PFOA)	4.00	0.254	"	5.08	ND	78.7	25-150		20.3	35	
Perfluorooctanesulfonic acid (PFOS)	4.64	0.254	"	4.70	ND	98.7	25-150		4.30	35	
Perfluorononanoic acid (PFNA)	4.70	0.254	"	5.08	ND	92.5	25-150		5.42	35	
Perfluorodecanoic acid (PFDA)	3.62	0.254	"	5.08	ND	71.2	25-150		9.59	35	
Perfluoroundecanoic acid (PFUnA)	4.54	0.254	"	5.08	ND	89.2	25-150		5.50	35	
Perfluorododecanoic acid (PFDoA)	4.65	0.254	"	5.08	ND	91.4	25-150		4.56	35	
Perfluorotridecanoic acid (PFTrDA)	3.70	0.254	"	5.08	ND	72.9	25-150		48.0	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	4.86	0.254	"	5.08	ND	95.6	25-150		0.415	35	
N-MeFOSAA	4.71	0.254	"	5.08	ND	92.6	25-150		7.91	35	
N-EtFOSAA	4.98	0.254	"	5.08	ND	98.0	25-150		4.09	35	
Perfluoropentanoic acid (PFPeA)	4.83	0.254	"	5.08	ND	95.0	25-150		5.07	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.55	0.254	"	5.08	ND	89.5	25-150		7.53	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.88	0.254	"	4.86	ND	101	25-150		9.56	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.27	0.254	"	4.91	ND	66.7	25-150		15.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	2.83	0.254	"	4.83	ND	58.7	25-200		37.9	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.59	0.254	"	4.88	ND	94.0	25-200		26.0	35	
Perfluoro-n-butanoic acid (PFBA)	4.84	0.254	"	5.08	ND	95.1	25-150		6.54	35	
Surrogate: M3PFBS	*4.58*		"	*4.72*		*97.0*	*25-150*				
Surrogate: M5PFHxA	*5.01*		"	*5.08*		*98.6*	*25-150*				
Surrogate: M4PFHpA	*4.25*		"	*5.08*		*83.7*	*25-150*				
Surrogate: M3PFHxS	*4.11*		"	*4.81*		*85.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.99*		"	*5.08*		*98.1*	*25-150*				
Surrogate: M6PFDA	*4.79*		"	*5.08*		*94.3*	*25-150*				
Surrogate: M7PFUdA	*3.50*		"	*5.08*		*68.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.31*		"	*5.08*		*84.8*	*25-150*				
Surrogate: M2PFTeDA	*3.52*		"	*5.08*		*69.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.67*		"	*5.08*		*91.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.31*		"	*4.87*		*88.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.70*		"	*5.08*		*92.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.71*		"	*5.08*		*73.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.39*		"	*5.08*		*86.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.30*		"	*5.08*		*84.6*	*25-150*				
Surrogate: M2-6:2 FTS	*5.86*		"	*4.83*		*121*	*25-200*				
Surrogate: M2-8:2 FTS	*3.32*		"	*4.87*		*68.1*	*25-200*				
Surrogate: M9PFNA	*5.05*		"	*5.08*		*99.4*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22677 - EPA 3550C											
Blank (BB22677-BLK1) Blank									Prepared: 02/26/2022 Analyzed: 02/28/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0452*		*"*	*0.0664*		*68.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0455*		*"*	*0.0664*		*68.5*	*30-150*				
LCS (BB22677-BS1) LCS									Prepared: 02/26/2022 Analyzed: 02/28/2022		
4,4'-DDD	0.0276	0.00164	mg/kg wet	0.0332		83.1	40-140				
4,4'-DDE	0.0257	0.00164	"	0.0332		77.4	40-140				
4,4'-DDT	0.0137	0.00164	"	0.0332		41.1	40-140				
Aldrin	0.0311	0.00164	"	0.0332		93.7	40-140				
alpha-BHC	0.0356	0.00164	"	0.0332		107	40-140				
alpha-Chlordane	0.0288	0.00164	"	0.0332		86.8	40-140				
beta-BHC	0.0317	0.00164	"	0.0332		95.3	40-140				
delta-BHC	0.0315	0.00164	"	0.0332		94.9	40-140				
Dieldrin	0.0278	0.00164	"	0.0332		83.8	40-140				
Endosulfan I	0.0298	0.00164	"	0.0332		89.8	40-140				
Endosulfan II	0.0253	0.00164	"	0.0332		76.2	40-140				
Endosulfan sulfate	0.0209	0.00164	"	0.0332		63.0	40-140				
Endrin	0.0205	0.00164	"	0.0332		61.7	40-140				
Endrin aldehyde	0.0267	0.00164	"	0.0332		80.5	40-140				
Endrin ketone	0.0273	0.00164	"	0.0332		82.1	40-140				
gamma-BHC (Lindane)	0.0331	0.00164	"	0.0332		99.6	40-140				
gamma-Chlordane	0.0292	0.00164	"	0.0332		87.9	40-140				
Heptachlor	0.0221	0.00164	"	0.0332		66.7	40-140				
Heptachlor epoxide	0.0302	0.00164	"	0.0332		90.9	40-140				
Methoxychlor	0.0135	0.00164	"	0.0332		40.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0397*		*"*	*0.0664*		*59.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0453*		*"*	*0.0664*		*68.1*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22677 - EPA 3550C											
Blank (BB22677-BLK2) Blank									Prepared: 02/26/2022 Analyzed: 02/27/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0429*		*"*	*0.0664*		*64.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0316*		*"*	*0.0664*		*47.5*	*30-150*				
LCS (BB22677-BS2) LCS									Prepared: 02/26/2022 Analyzed: 02/27/2022		
Aroclor 1016	0.262	0.0166	mg/kg wet	0.332		78.9	40-140			30	
Aroclor 1260	0.247	0.0166	"	0.332		74.4	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0542*		*"*	*0.0664*		*81.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0375*		*"*	*0.0664*		*56.5*	*30-150*				
Matrix Spike (BB22677-MS2) Matrix Spike *Source sample: 22B1212-03 (SW02_4.5)									Prepared: 02/26/2022 Analyzed: 02/27/2022		
Aroclor 1016	0.281	0.0182	mg/kg dry	0.365	ND	77.1	40-140			30	
Aroclor 1260	0.262	0.0182	"	0.365	ND	72.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0565*		*"*	*0.0729*		*77.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0408*		*"*	*0.0729*		*56.0*	*30-150*				
Matrix Spike Dup (BB22677-M Matrix Spike Dup *Source sample: 22B1212-03 (SW02_4.5)									Prepared: 02/26/2022 Analyzed: 02/27/2022		
Aroclor 1016	0.291	0.0182	mg/kg dry	0.365	ND	79.7	40-140		3.42	30	
Aroclor 1260	0.274	0.0182	"	0.365	ND	75.1	40-140		4.24	30	
Surrogate: Tetrachloro-m-xylene	*0.0580*		*"*	*0.0729*		*79.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0427*		*"*	*0.0729*		*58.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21570 - EPA 3550C											
Blank (BC21570-BLK2) Blank									Prepared: 03/04/2022 Analyzed: 03/07/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0395*		*"*	*0.0664*		*59.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0412*		*"*	*0.0664*		*62.0*	*30-150*				
LCS (BC21570-BS2) LCS									Prepared: 03/04/2022 Analyzed: 03/07/2022		
Aroclor 1016	0.254	0.0166	mg/kg wet	0.332		76.4	40-140			30	
Aroclor 1260	0.287	0.0166	"	0.332		86.5	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0432*		*"*	*0.0664*		*65.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0495*		*"*	*0.0664*		*74.5*	*30-150*				
Matrix Spike (BC21570-MS2) Matrix Spike *Source sample: 22C0030-01 (Matrix Spike)									Prepared: 03/04/2022 Analyzed: 03/07/2022		
Aroclor 1016	0.221	0.0167	mg/kg dry	0.333	ND	66.4	40-140			30	
Aroclor 1260	0.262	0.0167	"	0.333	ND	78.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0390*		*"*	*0.0667*		*58.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0450*		*"*	*0.0667*		*67.5*	*30-150*				
Matrix Spike Dup (BC21570-M Matrix Spike Dup *Source sample: 22C0030-01 (Matrix Spike Dup)									Prepared: 03/04/2022 Analyzed: 03/07/2022		
Aroclor 1016	0.219	0.0167	mg/kg dry	0.333	ND	65.7	40-140		1.03	30	
Aroclor 1260	0.245	0.0167	"	0.333	ND	73.5	40-140		6.71	30	
Surrogate: Tetrachloro-m-xylene	*0.0370*		*"*	*0.0667*		*55.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0363*		*"*	*0.0667*		*54.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22676 - EPA 3550C/8151A											
Blank (BB22676-BLK1) Blank									Prepared: 02/26/2022 Analyzed: 03/01/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.348*		*"*	*0.415*		*83.8*	*21-150*				
LCS (BB22676-BS1) LCS									Prepared: 02/26/2022 Analyzed: 03/01/2022		
2,4,5-T	0.101	0.0199	mg/kg wet	0.133		76.2	10-120				
2,4,5-TP (Silvex)	0.100	0.0199	"	0.133		75.6	10-120				
2,4-D	0.115	0.0199	"	0.133		86.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.358*		*"*	*0.415*		*86.2*	*21-150*				
Matrix Spike (BB22676-MS1) Matrix Spike *Source sample: 22B1212-03 (SW02_4.5)									Prepared: 02/26/2022 Analyzed: 03/01/2022		
2,4,5-T	0.105	0.0219	mg/kg dry	0.146	ND	71.9	10-120				
2,4,5-TP (Silvex)	0.108	0.0219	"	0.146	ND	74.4	10-120				
2,4-D	0.127	0.0219	"	0.146	ND	86.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.397*		*"*	*0.456*		*87.0*	*21-150*				
Matrix Spike Dup (BB22676-M Matrix Spike Dup *Source sample: 22B1212-03 (SW02_4.5)									Prepared: 02/26/2022 Analyzed: 03/01/2022		
2,4,5-T	0.111	0.0219	mg/kg dry	0.146	ND	76.2	10-120		5.91	35	
2,4,5-TP (Silvex)	0.116	0.0219	"	0.146	ND	79.4	10-120		6.50	35	
2,4-D	0.133	0.0219	"	0.146	ND	91.3	10-118		4.91	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.407*		*"*	*0.456*		*89.4*	*21-150*				
Batch BC21625 - EPA 3550C/8151A											
Blank (BC21625-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.429*		*"*	*0.417*		*103*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21625 - EPA 3550C/8151A											
LCS (BC21625-BS1) LCS									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.117	0.0200	mg/kg wet	0.133		87.5	10-120				
2,4,5-TP (Silvex)	0.122	0.0200	"	0.133		91.9	10-120				
2,4-D	0.135	0.0200	"	0.133		101	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.415*		*"*	*0.417*		*99.6*	*21-150*				
Matrix Spike (BC21625-MS1) Matrix Spike	*Source sample: 22C0013-01 (Matrix Spike)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.0760	0.0205	mg/kg dry	0.137	ND	55.6	10-120				
2,4,5-TP (Silvex)	0.0743	0.0205	"	0.137	ND	54.4	10-120				
2,4-D	0.0854	0.0205	"	0.137	ND	62.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.358*		*"*	*0.427*		*83.8*	*21-150*				
Matrix Spike Dup (BC21625-M Matrix Spike Dup	*Source sample: 22C0013-01 (Matrix Spike Dup)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.0786	0.0205	mg/kg dry	0.137	ND	57.5	10-120		3.31	35	
2,4,5-TP (Silvex)	0.0786	0.0205	"	0.137	ND	57.5	10-120		5.59	35	
2,4-D	0.0897	0.0205	"	0.137	ND	65.6	10-118		4.88	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.366*		*"*	*0.427*		*85.6*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22793 - EPA 3050B											
Blank (BB22793-BLK1) Blank									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.15	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB22793-DUP1) Duplicate *Source sample: 22B1212-04 (SW03_4.5)									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	7040	5.37	mg/kg dry		6900				2.01	35	
Antimony	2.98	2.69	"		2.82				5.76	35	
Arsenic	ND	1.61	"		ND					35	
Barium	44.8	2.69	"		40.7				9.45	35	
Beryllium	ND	0.054	"		ND					35	
Cadmium	ND	0.322	"		ND					35	
Calcium	2090	5.37	"		1970				5.88	35	
Chromium	18.0	0.537	"		16.1				11.3	35	
Cobalt	8.70	0.430	"		7.59				13.6	35	
Copper	29.5	2.15	"		29.5				0.0501	35	
Iron	16900	26.9	"		14400				16.3	35	
Lead	6.06	0.537	"		8.72				36.0	35	Non-dir.
Magnesium	5040	5.37	"		4070				21.3	35	
Manganese	327	0.537	"		266				20.7	35	
Nickel	52.0	1.07	"		56.3				7.85	35	
Potassium	2040	5.37	"		1450				34.1	35	
Selenium	ND	2.69	"		ND					35	
Silver	ND	0.537	"		ND					35	
Sodium	155	53.7	"		190				20.3	35	
Thallium	ND	2.69	"		ND					35	
Vanadium	23.3	1.07	"		26.6				13.4	35	
Zinc	26.3	2.69	"		29.1				10.3	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22793 - EPA 3050B											
Matrix Spike (BB22793-MS1) Matrix Spike	*Source sample: 22B1212-04 (SW03_4.5)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	7750	5.37	mg/kg dry	215	6900	393	75-125	High Bias			
Antimony	12.4	2.69	"	26.9	2.82	35.8	75-125	Low Bias			
Arsenic	217	1.61	"	215	ND	101	75-125				
Barium	289	2.69	"	215	40.7	115	75-125				
Beryllium	5.31	0.054	"	5.37	ND	98.8	75-125				
Cadmium	5.57	0.322	"	5.37	ND	104	75-125				
Calcium	2520	5.37	"	107	1970	513	75-125	High Bias			
Chromium	43.7	0.537	"	21.5	16.1	129	75-125	High Bias			
Cobalt	68.2	0.430	"	53.7	7.59	113	75-125				
Copper	61.2	2.15	"	26.9	29.5	118	75-125				
Iron	15500	26.9	"	107	14400	NR	75-125	High Bias			
Lead	70.9	0.537	"	53.7	8.72	116	75-125				
Magnesium	5210	5.37	"	107	4070	NR	75-125	High Bias			
Manganese	372	0.537	"	53.7	266	197	75-125	High Bias			
Nickel	125	1.07	"	53.7	56.3	128	75-125	High Bias			
Potassium	1670	5.37	"	107	1450	210	75-125	High Bias			
Selenium	170	2.69	"	215	ND	79.0	75-125				
Silver	5.46	0.537	"	5.37	ND	102	75-125				
Sodium	366	53.7	"	107	190	164	75-125	High Bias			
Thallium	218	2.69	"	215	ND	101	75-125				
Vanadium	81.9	1.07	"	53.7	26.6	103	75-125				
Zinc	84.4	2.69	"	53.7	29.1	103	75-125				
Post Spike (BB22793-PS1) Post Spike	*Source sample: 22B1212-04 (SW03_4.5)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	66.2		ug/mL	2.00	64.2	98.6	75-125				
Antimony	0.305		"	0.250	0.026	112	75-125				
Arsenic	2.04		"	2.00	-0.002	102	75-125				
Barium	2.69		"	2.00	0.379	115	75-125				
Beryllium	0.050		"	0.0500	-0.004	99.8	75-125				
Cadmium	0.052		"	0.0500	-0.0007	104	75-125				
Calcium	19.6		"	1.00	18.4	119	75-125				
Chromium	0.366		"	0.200	0.150	108	75-125				
Cobalt	0.614		"	0.500	0.071	109	75-125				
Copper	0.581		"	0.250	0.274	123	75-125				
Iron	136		"	1.00	134	172	75-125	High Bias			
Lead	0.635		"	0.500	0.081	111	75-125				
Magnesium	39.0		"	1.00	37.9	113	75-125				
Manganese	3.01		"	0.500	2.48	108	75-125				
Nickel	1.07		"	0.500	0.524	109	75-125				
Potassium	14.6		"	1.00	13.5	114	75-125				
Selenium	1.60		"	2.00	-0.130	80.2	75-125				
Silver	0.030		"	0.0500	0.0005	58.3	75-125	Low Bias			
Sodium	2.93		"	1.00	1.76	116	75-125				
Thallium	2.04		"	2.00	-0.017	102	75-125				
Vanadium	0.814		"	0.500	0.248	113	75-125				
Zinc	0.768		"	0.500	0.271	99.4	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22793 - EPA 3050B											
Reference (BB22793-SRM1) Reference									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	9760	5.00	mg/kg wet	8130		120	49.9-150.1				
Antimony	85.2	2.50	"	134		63.6	19.3-250				
Arsenic	151	1.50	"	156		96.8	69.9-130.1				
Barium	267	2.50	"	239		112	74.9-124.7				
Beryllium	172	0.050	"	169		102	75.1-125.4				
Cadmium	133	0.300	"	137		97.0	75.2-124.8				
Calcium	4900	5.00	"	4760		103	72.7-127.5				
Chromium	150	0.500	"	154		97.7	70.1-129.9				
Cobalt	128	0.400	"	121		106	75-124.8				
Copper	60.8	2.00	"	54.9		111	74.9-125				
Iron	15500	25.0	"	14100		110	34.9-164.5				
Lead	126	0.500	"	130		96.6	71.8-128.5				
Magnesium	2640	5.00	"	2320		114	62.1-137.9				
Manganese	291	0.500	"	269		108	74-126.4				
Nickel	66.0	1.00	"	53.9		122	69.9-129.9				
Potassium	2430	5.00	"	2020		121	58.9-141.1				
Selenium	115	2.50	"	167		69.1	67.7-132.3				
Silver	31.7	0.500	"	33.6		94.3	68.5-131.3				
Sodium	157	50.0	"	133		118	35-165.4				
Thallium	105	2.50	"	112		93.4	67.9-131.3				
Vanadium	63.4	1.00	"	62.6		101	59.1-141.1				
Zinc	155	2.50	"	158		98.0	70.3-129.7				
Batch BB22794 - EPA 3050B											
Blank (BB22794-BLK1) Blank									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	5.90	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22794 - EPA 3050B											
Duplicate (BB22794-DUP1) Duplicate	*Source sample: 22B1212-08 (EP37_4.5)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	6320	5.69	mg/kg dry		6090				3.74	35	
Antimony	2.96	2.84	"		ND					35	
Arsenic	ND	1.71	"		ND					35	
Barium	78.8	2.84	"		81.8				3.81	35	
Beryllium	ND	0.057	"		ND					35	
Cadmium	ND	0.341	"		ND					35	
Calcium	1580	5.69	"		1630				3.19	35	
Chromium	30.2	0.569	"		19.9				41.1	35	Non-dir.
Cobalt	11.6	0.455	"		9.95				15.4	35	
Copper	36.1	2.27	"		31.9				12.1	35	
Iron	16900	28.4	"		14800				13.0	35	
Lead	24.9	0.569	"		23.4				6.41	35	
Magnesium	5260	5.69	"		4020				26.6	35	
Manganese	392	0.569	"		366				6.81	35	
Nickel	123	1.14	"		109				12.0	35	
Nickel	123	1.14	"		109				12.0	35	
Potassium	1270	5.69	"		1190				6.88	35	
Selenium	ND	2.84	"		ND					35	
Silver	ND	0.569	"		ND					35	
Sodium	119	56.9	"		131				9.84	35	
Thallium	ND	2.84	"		ND					35	
Vanadium	32.2	1.14	"		37.2				14.4	35	
Zinc	36.5	2.84	"		35.3				3.37	35	
Reference (BB22794-SRM1) Reference									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Aluminum	9350	5.00	mg/kg wet	8130		115	49.9-150.1				
Antimony	88.8	2.50	"	134		66.3	19.3-250				
Arsenic	158	1.50	"	156		101	69.9-130.1				
Barium	252	2.50	"	239		106	74.9-124.7				
Beryllium	192	0.050	"	169		114	75.1-125.4				
Cadmium	151	0.300	"	137		110	75.2-124.8				
Calcium	5200	5.00	"	4760		109	72.7-127.5				
Chromium	162	0.500	"	154		105	70.1-129.9				
Cobalt	140	0.400	"	121		116	75-124.8				
Copper	63.2	2.00	"	54.9		115	74.9-125				
Iron	15500	25.0	"	14100		110	34.9-164.5				
Lead	130	0.500	"	130		100	71.8-128.5				
Magnesium	2590	5.00	"	2320		112	62.1-137.9				
Manganese	300	0.500	"	269		111	74-126.4				
Nickel	71.9	1.00	"	53.9		133	69.9-129.9	High Bias			
Nickel	71.9	1.00	"	53.9		133	69.9-129.9	High Bias			
Potassium	2250	5.00	"	2020		111	58.9-141.1				
Selenium	133	2.50	"	167		79.9	67.7-132.3				
Silver	31.4	0.500	"	33.6		93.5	68.5-131.3				
Sodium	148	50.0	"	133		111	35-165.4				
Thallium	114	2.50	"	112		102	67.9-131.3				
Vanadium	65.2	1.00	"	62.6		104	59.1-141.1				
Zinc	163	2.50	"	158		103	70.3-129.7				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Blank (BC21688-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	5.42	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	20.6	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC21688-DUP1) Duplicate	*Source sample: 22C0352-03 (Duplicate)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	6310	5.00	mg/kg wet		6400				1.36	35	
Antimony	ND	2.50	"		ND					35	
Arsenic	ND	1.50	"		1.66					35	
Barium	36.3	2.50	"		40.8				11.6	35	
Beryllium	ND	0.050	"		ND					35	
Cadmium	ND	0.300	"		ND					35	
Calcium	1360	5.00	"		4760				111	35	Non-dir.
Chromium	29.4	0.500	"		28.0				4.78	35	
Cobalt	10.9	0.400	"		11.0				0.414	35	
Copper	18.9	2.00	"		21.8				14.6	35	
Iron	14100	25.0	"		13800				2.38	35	
Lead	10.2	0.500	"		20.3				66.1	35	Non-dir.
Magnesium	2860	5.00	"		3280				13.8	35	
Manganese	355	0.500	"		396				11.0	35	
Nickel	109	1.00	"		110				0.481	35	
Potassium	952	5.00	"		923				3.07	35	
Selenium	ND	2.50	"		ND					35	
Silver	ND	0.500	"		ND					35	
Sodium	133	50.0	"		151				12.3	35	
Thallium	ND	2.50	"		ND					35	
Vanadium	19.9	1.00	"		19.3				2.81	35	
Zinc	24.5	2.50	"		31.5				24.8	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Matrix Spike (BC21688-MS1) Matrix Spike	*Source sample: 22C0352-03 (Matrix Spike)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	7320	5.00	mg/kg wet	200	6400	465	75-125	High Bias			
Antimony	2.98	2.50	"	25.0	ND	11.9	75-125	Low Bias			
Arsenic	ND	1.50	"	200	1.66	NR	75-125	Low Bias			
Barium	45.7	2.50	"	200	40.8	2.45	75-125	Low Bias			
Beryllium	ND	0.050	"	5.00	ND		75-125	Low Bias			
Cadmium	ND	0.300	"	5.00	ND		75-125	Low Bias			
Calcium	1640	5.00	"	100	4760	NR	75-125	Low Bias			
Chromium	39.6	0.500	"	20.0	28.0	57.8	75-125	Low Bias			
Cobalt	12.1	0.400	"	50.0	11.0	2.27	75-125	Low Bias			
Copper	24.0	2.00	"	25.0	21.8	8.61	75-125	Low Bias			
Iron	16300	25.0	"	100	13800	NR	75-125	High Bias			
Lead	12.0	0.500	"	50.0	20.3	NR	75-125	Low Bias			
Magnesium	3100	5.00	"	100	3280	NR	75-125	Low Bias			
Manganese	564	0.500	"	50.0	396	336	75-125	High Bias			
Nickel	132	1.00	"	50.0	110	44.2	75-125	Low Bias			
Potassium	946	5.00	"	100	923	23.5	75-125	Low Bias			
Selenium	ND	2.50	"	200	ND		75-125	Low Bias			
Silver	ND	0.500	"	5.00	ND		75-125	Low Bias			
Sodium	153	50.0	"	100	151	1.87	75-125	Low Bias			
Thallium	ND	2.50	"	200	ND		75-125	Low Bias			
Vanadium	23.8	1.00	"	50.0	19.3	8.90	75-125	Low Bias			
Zinc	29.8	2.50	"	50.0	31.5	NR	75-125	Low Bias			
Post Spike (BC21688-PS1) Post Spike	*Source sample: 22C0352-03 (Post Spike)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	66.2		ug/mL	2.00	64.0	110	75-125				
Antimony	0.315		"	0.250	0.018	119	75-125				
Arsenic	2.05		"	2.00	0.017	102	75-125				
Barium	2.63		"	2.00	0.408	111	75-125				
Beryllium	0.049		"	0.0500	-0.004	97.9	75-125				
Cadmium	0.053		"	0.0500	-0.0006	105	75-125				
Calcium	48.8		"	1.00	47.6	116	75-125				
Chromium	0.493		"	0.200	0.280	107	75-125				
Cobalt	0.661		"	0.500	0.110	110	75-125				
Copper	0.500		"	0.250	0.218	113	75-125				
Iron	136		"	1.00	138	NR	75-125	Low Bias			
Lead	0.771		"	0.500	0.203	114	75-125				
Magnesium	33.3		"	1.00	32.8	50.7	75-125	Low Bias			
Manganese	4.60		"	0.500	3.96	127	75-125	High Bias			
Nickel	1.70		"	0.500	1.10	119	75-125				
Potassium	10.1		"	1.00	9.23	91.5	75-125				
Selenium	1.58		"	2.00	-0.142	79.2	75-125				
Silver	0.028		"	0.0500	0.003	49.0	75-125	Low Bias			
Sodium	2.54		"	1.00	1.51	103	75-125				
Thallium	2.01		"	2.00	-0.016	100	75-125				
Vanadium	0.731		"	0.500	0.193	108	75-125				
Zinc	0.851		"	0.500	0.315	107	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Reference (BC21688-SRM1) Reference											
Prepared: 03/07/2022 Analyzed: 03/08/2022											
Aluminum	8870	5.00	mg/kg wet	8130		109	49.9-150.1				
Antimony	97.2	2.50	"	134		72.5	19.3-250				
Arsenic	153	1.50	"	156		97.8	69.9-130.1				
Barium	253	2.50	"	239		106	74.9-124.7				
Beryllium	184	0.050	"	169		109	75.1-125.4				
Cadmium	148	0.300	"	137		108	75.2-124.8				
Calcium	5030	5.00	"	4760		106	72.7-127.5				
Chromium	154	0.500	"	154		100	70.1-129.9				
Cobalt	134	0.400	"	121		111	75-124.8				
Copper	59.9	2.00	"	54.9		109	74.9-125				
Iron	14600	25.0	"	14100		104	34.9-164.5				
Lead	124	0.500	"	130		95.2	71.8-128.5				
Magnesium	2420	5.00	"	2320		104	62.1-137.9				
Manganese	288	0.500	"	269		107	74-126.4				
Nickel	68.1	1.00	"	53.9		126	69.9-129.9				
Potassium	2130	5.00	"	2020		105	58.9-141.1				
Selenium	120	2.50	"	167		72.0	67.7-132.3				
Silver	31.2	0.500	"	33.6		92.9	68.5-131.3				
Sodium	146	50.0	"	133		109	35-165.4				
Thallium	110	2.50	"	112		98.4	67.9-131.3				
Vanadium	63.1	1.00	"	62.6		101	59.1-141.1				
Zinc	155	2.50	"	158		98.0	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BC21335 - EPA 7473 soil												
Blank (BC21335-BLK1)	Blank								Prepared & Analyzed: 03/01/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC21335-DUP1)	Duplicate	*Source sample: 22B0914-21 (Duplicate)							Prepared & Analyzed: 03/01/2022			
Mercury		1.55	0.0383	mg/kg dry		0.915				51.5	35	Non-dir.
Matrix Spike (BC21335-MS1)	Matrix Spike	*Source sample: 22B0914-21 (Matrix Spike)							Prepared & Analyzed: 03/01/2022			
Mercury		1.63		mg/kg	0.500	0.717	183	75-125	High Bias			
Reference (BC21335-SRM1)	Reference								Prepared & Analyzed: 03/01/2022			
Mercury		30.266		mg/kg	27.2		111	59.9-140.1				
Batch BC21648 - EPA 7473 soil												
Blank (BC21648-BLK1)	Blank								Prepared & Analyzed: 03/07/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC21648-DUP1)	Duplicate	*Source sample: 22B1212-05 (EP76_4.5)							Prepared & Analyzed: 03/07/2022			
Mercury		0.0386	0.0330	mg/kg dry		ND					35	
Matrix Spike (BC21648-MS1)	Matrix Spike	*Source sample: 22B1212-05 (EP76_4.5)							Prepared & Analyzed: 03/07/2022			
Mercury		0.436		mg/kg	0.500	0.00	87.2	75-125				
Reference (BC21648-SRM1)	Reference								Prepared & Analyzed: 03/07/2022			
Mercury		19.251		mg/kg	20.5		93.9	60-139.5				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22689 - Analysis Preparation Soil												
Blank (BB22689-BLK1)	Blank								Prepared & Analyzed: 02/28/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB22689-DUP1)	Duplicate	*Source sample: 22B1212-03 (SW02_4.5)							Prepared & Analyzed: 02/28/2022			
Cyanide, total		ND	0.549	mg/kg dry		ND					15	
Matrix Spike (BB22689-MS1)	Matrix Spike	*Source sample: 22B1212-03 (SW02_4.5)							Prepared & Analyzed: 02/28/2022			
Cyanide, total		8.26	0.549	mg/kg dry	11.0	ND	75.2	79.6-107	Low Bias			
Reference (BB22689-SRM1)	Reference								Prepared & Analyzed: 02/28/2022			
Cyanide, total		88.3		ug/mL	86.8		102	41.82-157.83				
Batch BB22691 - EPA SW846-3060												
Blank (BB22691-BLK1)	Blank								Prepared & Analyzed: 02/28/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB22691-DUP1)	Duplicate	*Source sample: 22B1155-01 (Duplicate)							Prepared & Analyzed: 02/28/2022			
Chromium, Hexavalent		ND	0.540	mg/kg dry		0.519					35	
Matrix Spike (BB22691-MS1)	Matrix Spike	*Source sample: 22B1155-01 (Matrix Spike)							Prepared & Analyzed: 02/28/2022			
Chromium, Hexavalent		19.4	0.540	mg/kg dry	21.6	0.519	87.2	75-125				
Reference (BB22691-SRM1)	Reference								Prepared & Analyzed: 02/28/2022			
Chromium, Hexavalent		116		mg/L	109		107	30-169.7				
Batch BC21630 - Analysis Preparation Soil												
Blank (BC21630-BLK1)	Blank								Prepared & Analyzed: 03/07/2022			
Cyanide, total		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21630 - Analysis Preparation Soil												
Duplicate (BC21630-DUP1)	Duplicate	*Source sample: 22C0187-25 (Duplicate)								Prepared & Analyzed: 03/07/2022		
Cyanide, total		ND	0.533	mg/kg dry		ND					15	
Matrix Spike (BC21630-MS1)	Matrix Spike	*Source sample: 22C0187-25 (Matrix Spike)								Prepared & Analyzed: 03/07/2022		
Cyanide, total		9.17	0.533	mg/kg dry	10.7	ND	85.9	79.6-107				
Reference (BC21630-SRM1)	Reference									Prepared & Analyzed: 03/07/2022		
Cyanide, total		93.5		ug/mL	86.8		108	41.82-157.83				
Batch BC21677 - EPA SW846-3060												
Blank (BC21677-BLK1)	Blank									Prepared & Analyzed: 03/07/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC21677-DUP1)	Duplicate	*Source sample: 22C0013-02 (Duplicate)								Prepared & Analyzed: 03/07/2022		
Chromium, Hexavalent		ND	0.530	mg/kg dry		ND					35	
Matrix Spike (BC21677-MS1)	Matrix Spike	*Source sample: 22C0013-02 (Matrix Spike)								Prepared & Analyzed: 03/07/2022		
Chromium, Hexavalent		22.8	0.530	mg/kg dry	21.2	ND	108	75-125				
Reference (BC21677-SRM1)	Reference									Prepared & Analyzed: 03/07/2022		
Chromium, Hexavalent		87.6		mg/L	109		80.4	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21325 - % Solids Prep											
Duplicate (BC21325-DUP1) Duplicate	*Source sample: 22B1212-08 (EP37_4.5)								Prepared & Analyzed: 03/01/2022		
% Solids	87.1	0.100	%		87.9				0.922	20	
Batch BC21702 - % Solids Prep											
Duplicate (BC21702-DUP1) Duplicate	*Source sample: 22B1212-05 (EP76_4.5)								Prepared & Analyzed: 03/07/2022		
% Solids	91.2	0.100	%		90.9				0.381	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B1212-02	SW01_4.5	40mL Vial with Stir Bar-Cool 4° C
22B1212-03	SW02_4.5	40mL Vial with Stir Bar-Cool 4° C
22B1212-04	SW03_4.5	40mL Vial with Stir Bar-Cool 4° C
22B1212-05	EP76_4.5	40mL Vial with Stir Bar-Cool 4° C
22B1212-06	EP46_7.5	40mL Vial with Stir Bar-Cool 4° C
22B1212-07	EP56_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to include results for Sample -05.

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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22612

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 300 West 31st St 8th Floor New York, NY 10001	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: Kseman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; (NY ASP B Package); CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP22_S.5	~~S/SS~~ S	2/24/22 1330	Benzo(a)anthracene, Benzo(a)Pyrene, chrysene, Indeno(1,2,3-cd)pyrene	
SW01_4.5		2/24/22 1646	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides, herbicides, metals including cyanide, hex+ trivalent chromium, PFAS, 1,4-dioxide	
SW02_4.5		2/24/22 1700		
SW03_4.5		2/24/22 1718		
EP76_4.5		2/24/22 1730		HOLD
EP46_7.5		2/25/22 1445		
EP66_7.5		2/25/22 1500	~~PFAS~~	
EP37_4.5	↓	2/25/22 1300	Nickel	
FB01_PFAS_02252022	other AQ	2/25/22 1515	PFAS	

Comments: Please include lesmail@langan.com and marolca@langan.com on all correspondance

Preservation: (check all that apply) HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Jessica Babb/Langan	2/25/22 1600	Tom A / [illegible]	2/25/22 1605	Tom A / [illegible]	2/25/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Andrew S. York	2/25/22 1736	Andrew S. York	2/25/22 (911)		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[illegible]	2/25/22 1911

Temp. Received at Lab: 4.8 Degrees C

Technical Report

prepared for:

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

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0344

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0344

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 04, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0344-01	EP56_6.5	Soil	03/04/2022	03/04/2022

General Notes for York Project (SDG) No.: 22C0344

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

Approved By Cassie L. Mosher **Date:** 03/08/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP56_6.5 **York Sample ID:** 22C0344-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0344	170610601	Soil	March 4, 2022 11:50 am	03/04/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*49.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*50.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*65.1 %*	*24-116*

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**5.72**		mg/kg dry	0.551	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:54	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0331	1	EPA 7473	03/07/2022 14:46	03/07/2022 20:44	S_G
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.7**		%	0.100	1	SM 2540G	03/08/2022 11:59	03/08/2022 14:39	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BC21633 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0344-01	EP56_6.5	03/07/22
BC21633-BLK1	Blank	03/07/22
BC21633-BS1	LCS	03/07/22

Batch ID: BC21680 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0344-01	EP56_6.5	03/07/22
BC21680-BLK1	Blank	03/07/22
BC21680-DUP1	Duplicate	03/07/22
BC21680-MS1	Matrix Spike	03/07/22
BC21680-SRM1	Reference	03/07/22

Batch ID: BC21688 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0344-01	EP56_6.5	03/07/22
BC21688-BLK1	Blank	03/07/22
BC21688-DUP1	Duplicate	03/07/22
BC21688-MS1	Matrix Spike	03/07/22
BC21688-PS1	Post Spike	03/07/22
BC21688-SRM1	Reference	03/07/22

Batch ID: BC21751 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0344-01	EP56_6.5	03/08/22
BC21751-DUP1	Duplicate	03/08/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
Blank (BC21633-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Chrysene	ND	0.0416	mg/kg wet								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.497*		*"*	*0.831*		*59.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.658*		*"*	*0.831*		*79.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.658*		*"*	*0.831*		*79.3*	*24-116*				
LCS (BC21633-BS1) LCS									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Chrysene	1.27	0.0416	mg/kg wet	1.66		76.5	32-123				
Indeno(1,2,3-cd)pyrene	1.07	0.0416	"	1.66		64.5	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.656*		*"*	*0.831*		*79.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.595*		*"*	*0.831*		*71.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.659*		*"*	*0.831*		*79.4*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Blank (BC21688-BLK1) Blank								Prepared: 03/07/2022 Analyzed: 03/08/2022			
Lead	ND	0.500	mg/kg wet								
Duplicate (BC21688-DUP1) Duplicate	*Source sample: 22C0352-03 (Duplicate)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Lead	10.2	0.500	mg/kg wet		20.3				66.1	35	Non-dir.
Matrix Spike (BC21688-MS1) Matrix Spike	*Source sample: 22C0352-03 (Matrix Spike)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Lead	12.0	0.500	mg/kg wet	50.0	20.3	NR	75-125	Low Bias			
Post Spike (BC21688-PS1) Post Spike	*Source sample: 22C0352-03 (Post Spike)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Lead	0.771		ug/mL	0.500	0.203	114	75-125				
Reference (BC21688-SRM1) Reference								Prepared: 03/07/2022 Analyzed: 03/08/2022			
Lead	124	0.500	mg/kg wet	130		95.2	71.8-128.5				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21680 - EPA 7473 soil												
Blank (BC21680-BLK1)	Blank								Prepared & Analyzed: 03/07/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC21680-DUP1)	Duplicate	*Source sample: 22C0047-01 (Duplicate)							Prepared & Analyzed: 03/07/2022			
Mercury		0.253	0.0361	mg/kg dry		0.255				0.900	35	
Matrix Spike (BC21680-MS1)	Matrix Spike	*Source sample: 22C0047-01 (Matrix Spike)							Prepared & Analyzed: 03/07/2022			
Mercury		0.711		mg/kg	0.500	0.212	99.8	75-125				
Reference (BC21680-SRM1)	Reference								Prepared & Analyzed: 03/07/2022			
Mercury		30.164		mg/kg	27.2		111	60-139.5				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21751 - % Solids Prep											
Duplicate (BC21751-DUP1) Duplicate	*Source sample: 22C0395-04 (Duplicate)							Prepared & Analyzed: 03/08/2022			
% Solids	97.3	0.100	%		97.7				0.361	20	

Sample and Data Qualifiers Relating to This Work Order

M-DUPS The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0344

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st 9th Floor NY 10001	Address:	Address:
Phone: 212 479 5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: kseman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 455 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EPS6_6.5	S	3/4/22 1150	Indeno (1,2,3-cd) pyrene, Lead Mercury, Chrysene	

Comments: Please include kseman@langan.com maronica@langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle: Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

- Field Filtered
- Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Rachel Enright	3/4/22 1510	Metro NY York Labs	3/4/22 1520	Metro NY York Labs	3/4/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
KBurkyork	3/4/22 6pm	KBurkyork	3/4/22 1940		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBurkyork	3/4/22 1940 / 1.2 Degrees C

Technical Report

prepared for:

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

Report Date: 05/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0352

Revision No. **1.0**

Report Date: 05/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0352

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 04, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0352-01	EP08_0.5	Soil	03/04/2022	03/04/2022
22C0352-02	EP09_0.5	Soil	03/04/2022	03/04/2022
22C0352-03	EP77_0.5	Soil	03/04/2022	03/04/2022
22C0352-04	FB01_PFAS_030322	Water	03/04/2022	03/04/2022

General Notes for York Project (SDG) No.: 22C0352

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

Approved By **Date:** 05/25/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP08_0.5** **York Sample ID:** **22C0352-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.012**	Cal-E	mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.051**		mg/kg dry	0.0071	0.014	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.015**		mg/kg dry	0.0071	0.014	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0035	0.0071	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C	03/07/2022 06:40	03/08/2022 01:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.4 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.192	0.385	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.385	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0961	0.192	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0481	0.0961	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.385	2	EPA 8270D	03/07/2022 08:34	03/08/2022 12:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*59.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*75.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.8 %*	*24-116*

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/07/2022 11:28	03/09/2022 10:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*78.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.272	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:05	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.9 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*95.2 %*	*25-150*
Surrogate: M3PFHxS	*118 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.7 %*	*25-150*
Surrogate: M6PFDA	*94.7 %*	*25-150*
Surrogate: M7PFUdA	*90.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*92.8 %*	*25-150*
Surrogate: M2PFTeDA	*65.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*93.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*129 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*90.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*99.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*106 %*	*25-150*
Surrogate: M2-6:2 FTS	*76.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*137 %*	*25-200*
Surrogate: M9PFNA	*103 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:01	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:01	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:01	CM

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.187	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:01	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.6 %*	*30-150*

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:23	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*94.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0227	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*49.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9530**		mg/kg dry	5.80	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.29**		mg/kg dry	2.90	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**55.6**		mg/kg dry	2.90	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1580**	B	mg/kg dry	5.80	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**41.8**		mg/kg dry	0.580	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.9**		mg/kg dry	0.464	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**62.5**		mg/kg dry	2.32	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**22300**		mg/kg dry	29.0	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**8.51**		mg/kg dry	0.580	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5810**		mg/kg dry	5.80	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**418**		mg/kg dry	0.580	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**165**		mg/kg dry	1.16	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1640**	B	mg/kg dry	5.80	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.580	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**143**		mg/kg dry	58.0	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.0**		mg/kg dry	1.16	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**33.4**		mg/kg dry	2.90	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:56	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP08_0.5 **York Sample ID:** 22C0352-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:30 am	03/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0348	1	EPA 7473	03/07/2022 14:46	03/07/2022 20:50	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.580	1	EPA 7196A	03/08/2022 09:13	03/08/2022 17:16	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**41.8**		mg/kg	0.500	1	Calculation	03/08/2022 16:29	03/08/2022 17:57	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.580	1	EPA 9014/9010C	03/07/2022 08:19	03/07/2022 14:32	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.2**		%	0.100	1	SM 2540G	03/08/2022 11:59	03/08/2022 14:39	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.085	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**		mg/kg dry	0.0043	0.0085	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0050**	J	mg/kg dry	0.0043	0.0085	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:17	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.7 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:27	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*50.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*43.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*46.5 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*56.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.8 %*	*24-116*

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/07/2022 11:28	03/09/2022 10:51	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*78.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:17	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.0 %*	*25-150*
Surrogate: M5PFHxA	*88.5 %*	*25-150*
Surrogate: M4PFHpA	*87.2 %*	*25-150*
Surrogate: M3PFHxS	*88.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.2 %*	*25-150*
Surrogate: M6PFDA	*84.3 %*	*25-150*
Surrogate: M7PFUdA	*70.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*77.6 %*	*25-150*
Surrogate: M2PFTeDA	*64.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*83.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*98.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*104 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*72.7 %*	*25-200*
Surrogate: M9PFNA	*95.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:18	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:18	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:18	CM

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:18	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*89.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.6 %*	*30-150*

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:37	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*55.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6550**		mg/kg dry	5.70	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**39.5**		mg/kg dry	2.85	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.342	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1190**	B	mg/kg dry	5.70	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.3**		mg/kg dry	0.570	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.86**		mg/kg dry	0.456	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**34.2**		mg/kg dry	2.28	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15500**		mg/kg dry	28.5	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.51**		mg/kg dry	0.570	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2750**		mg/kg dry	5.70	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**252**		mg/kg dry	0.570	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**80.0**		mg/kg dry	1.14	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1290**	B	mg/kg dry	5.70	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**127**		mg/kg dry	57.0	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.0**		mg/kg dry	1.14	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**28.0**		mg/kg dry	2.85	1	EPA 6010D	03/07/2022 15:14	03/08/2022 14:59	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP09_0.5 **York Sample ID:** 22C0352-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:23 am	03/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0342	1	EPA 7473	03/07/2022 14:46	03/07/2022 20:56	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.570	1	EPA 7196A	03/08/2022 09:13	03/08/2022 17:16	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**20.3**		mg/kg	0.500	1	Calculation	03/08/2022 16:29	03/08/2022 17:57	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.570	1	EPA 9014/9010C	03/07/2022 08:19	03/07/2022 14:32	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	1	SM 2540G	03/08/2022 11:59	03/08/2022 14:39	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP77_0.5** **York Sample ID:** **22C0352-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0036**	Cal-E, J	mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.017**		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0088**		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	03/07/2022 06:40	03/08/2022 02:45	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.1 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0599**	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.170**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.201**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.549**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.781**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.649**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.476**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.415**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.587**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0731**	J	mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.804**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.124**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.09**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.199**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.372**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.237**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.36**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.78**		mg/kg dry	0.0488	0.0973	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	03/07/2022 08:34	03/08/2022 13:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*58.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*54.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*65.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*63.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*72.7 %*	*24-116*

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/07/2022 11:28	03/09/2022 11:08	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*78.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/09/2022 11:53	03/11/2022 18:29	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.2 %*	*25-150*
Surrogate: M5PFHxA	*92.1 %*	*25-150*
Surrogate: M4PFHpA	*88.2 %*	*25-150*
Surrogate: M3PFHxS	*91.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.2 %*	*25-150*
Surrogate: M6PFDA	*82.6 %*	*25-150*
Surrogate: M7PFUdA	*80.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*70.6 %*	*25-150*
Surrogate: M2PFTeDA	*73.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*97.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*87.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*93.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*104 %*	*25-150*
Surrogate: M2-6:2 FTS	*92.7 %*	*25-200*
Surrogate: M2-8:2 FTS	*87.8 %*	*25-200*
Surrogate: M9PFNA	*100 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:35	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:35	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/07/2022 11:26	03/08/2022 11:35	CM

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0380	5	EPA 8081B	03/07/2022 11:26	03/08/2022 11:35	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.2 %*	*30-150*

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A	03/07/2022 11:26	03/08/2022 14:50	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*99.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*95.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0233	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:39	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0233	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:39	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0233	1	EPA 8151A	03/07/2022 08:06	03/08/2022 15:39	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*53.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7490**		mg/kg dry	5.86	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.93	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.94**		mg/kg dry	1.76	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**47.8**		mg/kg dry	2.93	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**5580**	B	mg/kg dry	5.86	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.8**		mg/kg dry	0.586	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.9**		mg/kg dry	0.468	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**25.6**		mg/kg dry	2.34	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16100**		mg/kg dry	29.3	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**23.8**		mg/kg dry	0.586	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3840**		mg/kg dry	5.86	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**464**		mg/kg dry	0.586	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**129**		mg/kg dry	1.17	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1080**	B	mg/kg dry	5.86	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.93	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.586	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**176**		mg/kg dry	58.6	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.93	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.6**		mg/kg dry	1.17	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**36.8**		mg/kg dry	2.93	1	EPA 6010D	03/07/2022 15:14	03/08/2022 15:01	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP77_0.5 **York Sample ID:** 22C0352-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Soil	March 4, 2022 11:40 am	03/04/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0385**		mg/kg dry	0.0351	1	EPA 7473	03/07/2022 14:46	03/07/2022 21:02	S_G
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.586	1	EPA 7196A	03/08/2022 15:27	03/08/2022 21:27	LRW
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.8**		mg/kg	0.500	1	Calculation	03/09/2022 17:16	03/09/2022 18:15	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.586	1	EPA 9014/9010C	03/08/2022 14:23	03/08/2022 19:34	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.4**		%	0.100	1	SM 2540G	03/09/2022 15:37	03/09/2022 17:49	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_030322** **York Sample ID:** **22C0352-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Water	March 4, 2022 12:00 pm	03/04/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL

Sample Information

Client Sample ID: **FB01_PFAS_030322** **York Sample ID:** **22C0352-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0352	170610601	Water	March 4, 2022 12:00 pm	03/04/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	03/08/2022 11:28	03/08/2022 17:54	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.8 %*	*25-150*
Surrogate: M5PFHxA	*90.1 %*	*25-150*
Surrogate: M4PFHpA	*94.3 %*	*25-150*
Surrogate: M3PFHxS	*86.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.3 %*	*25-150*
Surrogate: M6PFDA	*102 %*	*25-150*
Surrogate: M7PFUdA	*91.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*99.6 %*	*25-150*
Surrogate: M2PFTeDA	*71.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*99.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*102 %*	*25-150*
Surrogate: M2-6:2 FTS	*72.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*89.3 %*	*25-200*
Surrogate: M9PFNA	*87.8 %*	*25-150*

Analytical Batch Summary

Batch ID: BC21625 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21625-BLK1	Blank	03/07/22
BC21625-BS1	LCS	03/07/22
BC21625-MS1	Matrix Spike	03/07/22
BC21625-MSD1	Matrix Spike Dup	03/07/22

Batch ID: BC21630 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
BC21630-BLK1	Blank	03/07/22
BC21630-DUP1	Duplicate	03/07/22
BC21630-MS1	Matrix Spike	03/07/22
BC21630-SRM1	Reference	03/07/22

Batch ID: BC21633 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21633-BLK1	Blank	03/07/22
BC21633-BS1	LCS	03/07/22
BC21633-MS1	Matrix Spike	03/07/22
BC21633-MSD1	Matrix Spike Dup	03/07/22

Batch ID: BC21650 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21650-BLK1	Blank	03/07/22
BC21650-BLK2	Blank	03/07/22
BC21650-BS1	LCS	03/07/22
BC21650-BS2	LCS	03/07/22
BC21650-MS1	Matrix Spike	03/07/22
BC21650-MS2	Matrix Spike	03/07/22

BC21650-MSD1	Matrix Spike Dup	03/07/22
BC21650-MSD2	Matrix Spike Dup	03/07/22

Batch ID: BC21651 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21651-BLK1	Blank	03/07/22
BC21651-BS1	LCS	03/07/22
BC21651-MS1	Matrix Spike	03/07/22
BC21651-MSD1	Matrix Spike Dup	03/07/22

Batch ID: BC21680 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21680-BLK1	Blank	03/07/22
BC21680-DUP1	Duplicate	03/07/22
BC21680-MS1	Matrix Spike	03/07/22
BC21680-SRM1	Reference	03/07/22

Batch ID: BC21688 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21688-BLK1	Blank	03/07/22
BC21688-DUP1	Duplicate	03/07/22
BC21688-MS1	Matrix Spike	03/07/22
BC21688-PS1	Post Spike	03/07/22
BC21688-SRM1	Reference	03/07/22

Batch ID: BC21742 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/08/22
22C0352-02	EP09_0.5	03/08/22
BC21742-BLK1	Blank	03/08/22
BC21742-DUP1	Duplicate	03/08/22
BC21742-MS1	Matrix Spike	03/08/22
BC21742-SRM1	Reference	03/08/22

Batch ID: BC21747 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-04	FB01_PFAS_030322	03/08/22
BC21747-BLK1	Blank	03/08/22
BC21747-BS1	LCS	03/08/22
BC21747-MS1	Matrix Spike	03/08/22
BC21747-MSD1	Matrix Spike Dup	03/08/22

Batch ID: BC21751 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/08/22
22C0352-02	EP09_0.5	03/08/22
BC21751-DUP1	Duplicate	03/08/22

Batch ID: BC21770 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-03	EP77_0.5	03/08/22
BC21770-BLK1	Blank	03/08/22
BC21770-DUP1	Duplicate	03/08/22
BC21770-MS1	Matrix Spike	03/08/22
BC21770-SRM1	Reference	03/08/22

Batch ID: BC21775 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/07/22
22C0352-02	EP09_0.5	03/07/22
22C0352-03	EP77_0.5	03/07/22
BC21775-BLK1	Blank	03/07/22
BC21775-BLK2	Blank	03/07/22
BC21775-BS1	LCS	03/07/22
BC21775-BSD1	LCS Dup	03/07/22

Batch ID: BC21778 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-03	EP77_0.5	03/08/22
BC21778-BLK1	Blank	03/08/22
BC21778-DUP1	Duplicate	03/08/22
BC21778-MS1	Matrix Spike	03/08/22
BC21778-SRM1	Reference	03/08/22

Batch ID: BC21784 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date

22C0352-01	EP08_0.5	03/08/22
22C0352-02	EP09_0.5	03/08/22

Batch ID: BC21836 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-01	EP08_0.5	03/09/22
22C0352-02	EP09_0.5	03/09/22
22C0352-03	EP77_0.5	03/09/22
BC21836-BLK1	Blank	03/09/22
BC21836-BS1	LCS	03/09/22
BC21836-MS1	Matrix Spike	03/09/22
BC21836-MSD1	Matrix Spike Dup	03/09/22

Batch ID: BC21865 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-03	EP77_0.5	03/09/22
BC21865-DUP1	Duplicate	03/09/22

Batch ID: BC21872 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0352-03	EP77_0.5	03/09/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21775 - EPA 5035A											
Blank (BC21775-BLK1) Blank									Prepared & Analyzed: 03/07/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

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

Batch BC21775 - EPA 5035A

Blank (BC21775-BLK1) Blank — Prepared & Analyzed: 03/07/2022

n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*ug/L*	*50.0*		*98.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.8*		*"*	*50.0*		*95.6*	*76-130*				

Blank (BC21775-BLK2) HB-22C0352 — Prepared & Analyzed: 03/07/2022

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

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21775 - EPA 5035A											
Blank (BC21775-BLK2) HB-22C0352									Prepared & Analyzed: 03/07/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.4*		*"*	*50.0*		*96.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21775 - EPA 5035A											
LCS (BC21775-BS1) LCS							Prepared & Analyzed: 03/07/2022				
1,1,1,2-Tetrachloroethane	53.0		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	57.2		"	50.0		114	71-137				
1,1,2,2-Tetrachloroethane	48.8		"	50.0		97.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.2		"	50.0		92.4	58-146				
1,1,2-Trichloroethane	47.6		"	50.0		95.3	83-123				
1,1-Dichloroethane	46.0		"	50.0		92.0	75-130				
1,1-Dichloroethylene	48.9		"	50.0		97.8	64-137				
1,2,3-Trichlorobenzene	49.6		"	50.0		99.2	81-140				
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	48.0		"	50.0		96.0	80-141				
1,2,4-Trimethylbenzene	46.9		"	50.0		93.8	84-125				
1,2-Dibromo-3-chloropropane	52.8		"	50.0		106	74-142				
1,2-Dibromoethane	53.4		"	50.0		107	86-123				
1,2-Dichlorobenzene	48.9		"	50.0		97.8	85-122				
1,2-Dichloroethane	48.1		"	50.0		96.2	71-133				
1,2-Dichloropropane	47.0		"	50.0		93.9	81-122				
1,3,5-Trimethylbenzene	46.2		"	50.0		92.4	82-126				
1,3-Dichlorobenzene	47.5		"	50.0		95.0	84-124				
1,4-Dichlorobenzene	47.6		"	50.0		95.3	84-124				
1,4-Dioxane	1270		"	1050		121	10-228				
2-Butanone	50.8		"	50.0		102	58-147				
2-Hexanone	35.3		"	50.0		70.6	70-139				
4-Methyl-2-pentanone	41.6		"	50.0		83.2	72-132				
Acetone	36.5		"	50.0		73.1	36-155				
Acrolein	18.4		"	50.0		36.7	10-238				
Acrylonitrile	48.8		"	50.0		97.7	66-141				
Benzene	47.8		"	50.0		95.7	77-127				
Bromochloromethane	47.2		"	50.0		94.3	74-129				
Bromodichloromethane	49.7		"	50.0		99.5	81-124				
Bromoform	59.6		"	50.0		119	80-136				
Bromomethane	52.5		"	50.0		105	32-177				
Carbon disulfide	49.0		"	50.0		97.9	10-136				
Carbon tetrachloride	60.1		"	50.0		120	66-143				
Chlorobenzene	50.8		"	50.0		102	86-120				
Chloroethane	59.0		"	50.0		118	51-142				
Chloroform	47.8		"	50.0		95.7	76-131				
Chloromethane	50.9		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	48.0		"	50.0		95.9	74-132				
cis-1,3-Dichloropropylene	47.0		"	50.0		94.0	81-129				
Cyclohexane	44.5		"	50.0		89.0	70-130				
Dibromochloromethane	50.7		"	50.0		101	10-200				
Dibromomethane	47.8		"	50.0		95.5	83-124				
Dichlorodifluoromethane	53.8		"	50.0		108	28-158				
Ethyl Benzene	47.5		"	50.0		94.9	84-125				
Hexachlorobutadiene	48.0		"	50.0		96.1	83-133				
Isopropylbenzene	48.3		"	50.0		96.5	81-127				
Methyl acetate	60.0		"	50.0		120	41-143				
Methyl tert-butyl ether (MTBE)	66.5		"	50.0		133	74-131	High Bias			
Methylcyclohexane	46.4		"	50.0		92.7	70-130				
Methylene chloride	45.8		"	50.0		91.6	57-141				
n-Butylbenzene	43.9		"	50.0		87.9	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21775 - EPA 5035A											
LCS (BC21775-BS1) LCS								Prepared & Analyzed: 03/07/2022			
n-Propylbenzene	46.4		ug/L	50.0		92.8	74-136				
o-Xylene	47.7		"	50.0		95.3	83-123				
p- & m- Xylenes	96.1		"	100		96.1	82-128				
p-Isopropyltoluene	48.1		"	50.0		96.2	85-125				
sec-Butylbenzene	47.2		"	50.0		94.4	83-125				
Styrene	45.5		"	50.0		91.1	86-126				
tert-Butyl alcohol (TBA)	316		"	250		126	70-130				
tert-Butylbenzene	48.4		"	50.0		96.9	80-127				
Tetrachloroethylene	45.4		"	50.0		90.8	80-129				
Toluene	47.0		"	50.0		94.1	85-121				
trans-1,2-Dichloroethylene	47.3		"	50.0		94.5	72-132				
trans-1,3-Dichloropropylene	47.3		"	50.0		94.6	78-132				
Trichloroethylene	47.9		"	50.0		95.8	84-123				
Trichlorofluoromethane	56.1		"	50.0		112	62-140				
Vinyl Chloride	52.3		"	50.0		105	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*"*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.1*		*"*	*50.0*		*96.2*	*76-130*				
LCS Dup (BC21775-BSD1) LCS Dup								Prepared & Analyzed: 03/07/2022			
1,1,1,2-Tetrachloroethane	53.5		ug/L	50.0		107	75-129		0.901	30	
1,1,1-Trichloroethane	58.7		"	50.0		117	71-137		2.62	30	
1,1,2,2-Tetrachloroethane	48.6		"	50.0		97.3	79-129		0.328	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.7		"	50.0		87.4	58-146		5.61	30	
1,1,2-Trichloroethane	47.2		"	50.0		94.5	83-123		0.822	30	
1,1-Dichloroethane	47.0		"	50.0		93.9	75-130		2.00	30	
1,1-Dichloroethylene	49.1		"	50.0		98.2	64-137		0.367	30	
1,2,3-Trichlorobenzene	48.1		"	50.0		96.2	81-140		3.13	30	
1,2,3-Trichloropropane	50.5		"	50.0		101	81-126		0.119	30	
1,2,4-Trichlorobenzene	47.1		"	50.0		94.2	80-141		1.87	30	
1,2,4-Trimethylbenzene	47.1		"	50.0		94.2	84-125		0.426	30	
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		0.323	30	
1,2-Dibromoethane	53.0		"	50.0		106	86-123		0.827	30	
1,2-Dichlorobenzene	48.8		"	50.0		97.6	85-122		0.225	30	
1,2-Dichloroethane	47.9		"	50.0		95.8	71-133		0.458	30	
1,2-Dichloropropane	47.9		"	50.0		95.9	81-122		2.07	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.5	82-126		2.31	30	
1,3-Dichlorobenzene	47.4		"	50.0		94.8	84-124		0.126	30	
1,4-Dichlorobenzene	47.5		"	50.0		94.9	84-124		0.357	30	
1,4-Dioxane	1230		"	1050		117	10-228		3.25	30	
2-Butanone	50.4		"	50.0		101	58-147		0.831	30	
2-Hexanone	35.6		"	50.0		71.1	70-139		0.762	30	
4-Methyl-2-pentanone	41.3		"	50.0		82.6	72-132		0.700	30	
Acetone	35.6		"	50.0		71.1	36-155		2.72	30	
Acrolein	17.8		"	50.0		35.6	10-238		3.04	30	
Acrylonitrile	46.3		"	50.0		92.6	66-141		5.32	30	
Benzene	48.0		"	50.0		96.1	77-127		0.396	30	
Bromochloromethane	47.4		"	50.0		94.7	74-129		0.423	30	
Bromodichloromethane	49.5		"	50.0		99.0	81-124		0.504	30	
Bromoform	59.0		"	50.0		118	80-136		0.945	30	
Bromomethane	54.6		"	50.0		109	32-177		3.90	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21775 - EPA 5035A											
LCS Dup (BC21775-BSD1) LCS Dup								Prepared & Analyzed: 03/07/2022			
Carbon disulfide	49.9		ug/L	50.0		99.8	10-136		1.84	30	
Carbon tetrachloride	61.7		"	50.0		123	66-143		2.61	30	
Chlorobenzene	50.9		"	50.0		102	86-120		0.157	30	
Chloroethane	58.7		"	50.0		117	51-142		0.391	30	
Chloroform	48.1		"	50.0		96.2	76-131		0.542	30	
Chloromethane	51.9		"	50.0		104	49-132		1.95	30	
cis-1,2-Dichloroethylene	48.4		"	50.0		96.8	74-132		0.851	30	
cis-1,3-Dichloropropylene	46.6		"	50.0		93.2	81-129		0.876	30	
Cyclohexane	45.5		"	50.0		91.0	70-130		2.18	30	
Dibromochloromethane	50.8		"	50.0		102	10-200		0.158	30	
Dibromomethane	47.0		"	50.0		93.9	83-124		1.67	30	
Dichlorodifluoromethane	54.2		"	50.0		108	28-158		0.611	30	
Ethyl Benzene	47.7		"	50.0		95.4	84-125		0.546	30	
Hexachlorobutadiene	49.8		"	50.0		99.6	83-133		3.60	30	
Isopropylbenzene	49.2		"	50.0		98.3	81-127		1.81	30	
Methyl acetate	59.3		"	50.0		119	41-143		1.24	30	
Methyl tert-butyl ether (MTBE)	66.0		"	50.0		132	74-131	High Bias	0.785	30	
Methylcyclohexane	47.0		"	50.0		94.0	70-130		1.37	30	
Methylene chloride	46.4		"	50.0		92.7	57-141		1.26	30	
n-Butylbenzene	45.1		"	50.0		90.3	80-130		2.72	30	
n-Propylbenzene	47.0		"	50.0		93.9	74-136		1.24	30	
o-Xylene	47.9		"	50.0		95.8	83-123		0.460	30	
p- & m- Xylenes	96.0		"	100		96.0	82-128		0.156	30	
p-Isopropyltoluene	48.7		"	50.0		97.4	85-125		1.32	30	
sec-Butylbenzene	48.3		"	50.0		96.5	83-125		2.18	30	
Styrene	46.0		"	50.0		92.0	86-126		1.05	30	
tert-Butyl alcohol (TBA)	315		"	250		126	70-130		0.301	30	
tert-Butylbenzene	49.4		"	50.0		98.9	80-127		2.04	30	
Tetrachloroethylene	46.2		"	50.0		92.4	80-129		1.70	30	
Toluene	47.3		"	50.0		94.5	85-121		0.488	30	
trans-1,2-Dichloroethylene	48.9		"	50.0		97.8	72-132		3.43	30	
trans-1,3-Dichloropropylene	47.4		"	50.0		94.8	78-132		0.148	30	
Trichloroethylene	48.8		"	50.0		97.7	84-123		1.99	30	
Trichlorofluoromethane	58.3		"	50.0		117	62-140		3.86	30	
Vinyl Chloride	53.6		"	50.0		107	52-130		2.46	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.9*		*"*	*50.0*		*95.8*	*76-130*				

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

Batch BC21633 - EPA 3546 SVOA

Blank (BC21633-BLK1) Blank — Prepared: 03/07/2022 Analyzed: 03/08/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
Blank (BC21633-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.16*		"	*1.66*		*69.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		"	*1.66*		*65.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.497*		"	*0.831*		*59.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.658*		"	*0.831*		*79.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.13*		"	*1.66*		*68.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.658*		"	*0.831*		*79.3*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
LCS (BC21633-BS1) LCS								Prepared: 03/07/2022 Analyzed: 03/08/2022			
1,1-Biphenyl	1.37	0.0416	mg/kg wet	0.831		165	18-111	High Bias			
1,2,4,5-Tetrachlorobenzene	1.33	0.0830	"	0.831		160	21-131	High Bias			
1,2-Diphenylhydrazine (as Azobenzene)	1.02	0.0416	"	0.831		122	17-137				
2,3,4,6-Tetrachlorophenol	1.33	0.0830	"	0.831		160	30-130	High Bias			
2,4,5-Trichlorophenol	1.27	0.0416	"	0.831		152	27-118	High Bias			
2,4,6-Trichlorophenol	1.40	0.0416	"	0.831		169	31-120	High Bias			
2,4-Dichlorophenol	1.33	0.0416	"	0.831		160	20-127	High Bias			
2,4-Dimethylphenol	1.27	0.0416	"	0.831		152	14-132	High Bias			
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.839	0.0416	"	0.831		101	34-131				
2,6-Dinitrotoluene	0.787	0.0416	"	0.831		94.8	31-128				
2-Chloronaphthalene	1.14	0.0416	"	0.831		138	31-117	High Bias			
2-Chlorophenol	1.29	0.0416	"	0.831		156	33-113	High Bias			
2-Methylnaphthalene	1.33	0.0416	"	0.831		160	12-138	High Bias			
2-Methylphenol	1.50	0.0416	"	0.831		181	10-136	High Bias			
2-Nitroaniline	1.33	0.0830	"	0.831		160	27-132	High Bias			
2-Nitrophenol	0.512	0.0416	"	0.831		61.6	17-129				
3- & 4-Methylphenols	1.11	0.0416	"	0.831		134	29-103	High Bias			
3,3-Dichlorobenzidine	1.05	0.0416	"	0.831		127	22-149				
3-Nitroaniline	1.52	0.0830	"	0.831		183	20-133	High Bias			
4,6-Dinitro-2-methylphenol	0.119	0.0830	"	0.831		14.3	10-143				
4-Bromophenyl phenyl ether	1.28	0.0416	"	0.831		154	29-120	High Bias			
4-Chloro-3-methylphenol	1.38	0.0416	"	0.831		166	24-129	High Bias			
4-Chloroaniline	1.22	0.0416	"	0.831		147	10-132	High Bias			
4-Chlorophenyl phenyl ether	1.26	0.0416	"	0.831		152	27-124	High Bias			
4-Nitroaniline	1.56	0.0830	"	0.831		188	16-128	High Bias			
4-Nitrophenol	1.00	0.0830	"	0.831		121	10-141				
Acenaphthene	1.32	0.0416	"	0.831		159	30-121	High Bias			
Acenaphthylene	1.17	0.0416	"	0.831		141	30-115	High Bias			
Acetophenone	1.27	0.0416	"	0.831		152	20-112	High Bias			
Aniline	1.19	0.166	"	0.831		143	10-119	High Bias			
Anthracene	1.27	0.0416	"	0.831		153	34-118	High Bias			
Atrazine	1.04	0.0416	"	0.831		125	26-112	High Bias			
Benzaldehyde	1.14	0.0416	"	0.831		137	21-100	High Bias			
Benzo(a)anthracene	1.23	0.0416	"	0.831		149	32-122	High Bias			
Benzo(a)pyrene	1.04	0.0416	"	0.831		125	29-133				
Benzo(b)fluoranthene	1.17	0.0416	"	0.831		141	25-133	High Bias			
Benzo(g,h,i)perylene	1.13	0.0416	"	0.831		136	10-143				
Benzo(k)fluoranthene	1.18	0.0416	"	0.831		143	25-128	High Bias			
Benzoic acid	0.119	0.0416	"	0.831		14.3	10-140				
Benzyl alcohol	1.16	0.0416	"	0.831		140	30-115	High Bias			
Benzyl butyl phthalate	1.30	0.0416	"	0.831		157	26-126	High Bias			
Bis(2-chloroethoxy)methane	1.06	0.0416	"	0.831		127	19-132				
Bis(2-chloroethyl)ether	1.02	0.0416	"	0.831		123	19-125				
Bis(2-chloroisopropyl)ether	1.09	0.0416	"	0.831		131	20-135				
Bis(2-ethylhexyl)phthalate	1.19	0.0416	"	0.831		143	10-155				
Caprolactam	1.24	0.0830	"	0.831		150	10-127	High Bias			
Carbazole	1.23	0.0416	"	0.831		148	35-123	High Bias			
Chrysene	1.27	0.0416	"	0.831		153	32-123	High Bias			
Dibenzo(a,h)anthracene	1.20	0.0416	"	0.831		145	10-136	High Bias			
Dibenzofuran	1.29	0.0416	"	0.831		155	29-121	High Bias			

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
LCS (BC21633-BS1) LCS								Prepared: 03/07/2022 Analyzed: 03/08/2022			
Diethyl phthalate	1.19	0.0416	mg/kg wet	0.831		143	34-116	High Bias			
Dimethyl phthalate	1.14	0.0416	"	0.831		137	35-124	High Bias			
Di-n-butyl phthalate	1.18	0.0416	"	0.831		142	31-116	High Bias			
Di-n-octyl phthalate	1.21	0.0416	"	0.831		146	26-136	High Bias			
Diphenylamine	1.24	0.0830	"	0.831		149	40-140	High Bias			
Fluoranthene	1.31	0.0416	"	0.831		157	33-122	High Bias			
Fluorene	1.35	0.0416	"	0.831		162	29-123	High Bias			
Hexachlorobenzene	1.26	0.0416	"	0.831		152	21-124	High Bias			
Hexachlorobutadiene	1.38	0.0416	"	0.831		166	10-149	High Bias			
Hexachlorocyclopentadiene	ND	0.0416	"	0.831			10-129	Low Bias			
Hexachloroethane	0.799	0.0416	"	0.831		96.2	28-108				
Indeno(1,2,3-cd)pyrene	1.07	0.0416	"	0.831		129	10-135				
Isophorone	1.18	0.0416	"	0.831		142	20-132	High Bias			
Naphthalene	1.24	0.0416	"	0.831		149	23-124	High Bias			
Nitrobenzene	1.26	0.0416	"	0.831		152	13-132	High Bias			
N-Nitrosodimethylamine	0.936	0.0416	"	0.831		113	11-129				
N-nitroso-di-n-propylamine	1.10	0.0416	"	0.831		133	24-119	High Bias			
N-Nitrosodiphenylamine	1.35	0.0416	"	0.831		162	22-152	High Bias			
Pentachlorophenol	0.679	0.0416	"	0.831		81.8	10-139				
Phenanthrene	1.19	0.0416	"	0.831		143	33-123	High Bias			
Phenol	1.29	0.0416	"	0.831		155	23-115	High Bias			
Pyrene	1.29	0.0416	"	0.831		155	24-130	High Bias			
Pyridine	1.14	0.166	"	0.831		138	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.18*		"	*1.66*		*70.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.17*		"	*1.66*		*70.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.656*		"	*0.831*		*79.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.595*		"	*0.831*		*71.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.25*		"	*1.66*		*75.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.659*		"	*0.831*		*79.4*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
Matrix Spike (BC21633-MS1) Matrix Spike	*Source sample: 22C0136-01 (Matrix Spike)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
1,1-Biphenyl	1.13	0.103	mg/kg dry	1.03	ND	110	10-130				
1,2,4,5-Tetrachlorobenzene	1.18	0.206	"	1.03	ND	114	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.830	0.103	"	1.03	ND	80.4	10-144				
2,3,4,6-Tetrachlorophenol	0.967	0.206	"	1.03	ND	93.7	30-130				
2,4,5-Trichlorophenol	1.04	0.103	"	1.03	ND	100	10-127				
2,4,6-Trichlorophenol	1.00	0.103	"	1.03	ND	97.4	10-132				
2,4-Dichlorophenol	1.10	0.103	"	1.03	ND	106	10-128				
2,4-Dimethylphenol	1.05	0.103	"	1.03	ND	101	10-137				
2,4-Dinitrophenol	ND	0.206	"	1.03	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.948	0.103	"	1.03	ND	91.8	16-135				
2,6-Dinitrotoluene	0.912	0.103	"	1.03	ND	88.4	18-131				
2-Chloronaphthalene	0.970	0.103	"	1.03	ND	94.0	10-129				
2-Chlorophenol	1.04	0.103	"	1.03	ND	101	15-116				
2-Methylnaphthalene	1.10	0.103	"	1.03	ND	106	10-147				
2-Methylphenol	1.17	0.103	"	1.03	ND	113	10-136				
2-Nitroaniline	1.17	0.206	"	1.03	ND	113	10-137				
2-Nitrophenol	0.682	0.103	"	1.03	ND	66.1	10-129				
3- & 4-Methylphenols	0.866	0.103	"	1.03	ND	83.9	10-123				
3,3-Dichlorobenzidine	0.835	0.103	"	1.03	ND	80.9	10-155				
3-Nitroaniline	1.16	0.206	"	1.03	ND	112	12-133				
4,6-Dinitro-2-methylphenol	ND	0.206	"	1.03	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	1.07	0.103	"	1.03	ND	103	14-128				
4-Chloro-3-methylphenol	1.13	0.103	"	1.03	ND	109	10-134				
4-Chloroaniline	0.941	0.103	"	1.03	ND	91.1	10-145				
4-Chlorophenyl phenyl ether	0.998	0.103	"	1.03	ND	96.7	14-130				
4-Nitroaniline	0.969	0.206	"	1.03	ND	93.8	10-147				
4-Nitrophenol	0.756	0.206	"	1.03	ND	73.3	10-137				
Acenaphthene	1.11	0.103	"	1.03	ND	107	10-146				
Acenaphthylene	0.975	0.103	"	1.03	ND	94.5	10-134				
Acetophenone	1.07	0.103	"	1.03	ND	104	10-116				
Aniline	0.798	0.414	"	1.03	ND	77.3	10-123				
Anthracene	1.02	0.103	"	1.03	ND	99.3	10-142				
Atrazine	0.941	0.103	"	1.03	ND	91.1	19-115				
Benzaldehyde	1.02	0.103	"	1.03	ND	98.5	10-125				
Benzo(a)anthracene	1.02	0.103	"	1.03	ND	98.9	10-158				
Benzo(a)pyrene	0.829	0.103	"	1.03	ND	80.3	10-180				
Benzo(b)fluoranthene	0.879	0.103	"	1.03	ND	85.1	10-200				
Benzo(g,h,i)perylene	0.823	0.103	"	1.03	ND	79.8	10-138				
Benzo(k)fluoranthene	0.860	0.103	"	1.03	ND	83.4	10-197				
Benzoic acid	0.547	0.103	"	1.03	ND	53.0	10-166				
Benzyl alcohol	1.03	0.103	"	1.03	ND	100	12-124				
Benzyl butyl phthalate	1.02	0.103	"	1.03	ND	99.1	10-154				
Bis(2-chloroethoxy)methane	0.910	0.103	"	1.03	ND	88.2	10-132				
Bis(2-chloroethyl)ether	0.987	0.103	"	1.03	ND	95.6	10-119				
Bis(2-chloroisopropyl)ether	0.875	0.103	"	1.03	ND	84.8	10-139				
Bis(2-ethylhexyl)phthalate	0.915	0.103	"	1.03	ND	88.6	10-167				
Caprolactam	0.970	0.206	"	1.03	ND	94.0	10-132				
Carbazole	0.964	0.103	"	1.03	ND	93.4	10-167				
Chrysene	0.936	0.103	"	1.03	ND	90.7	10-156				
Dibenzo(a,h)anthracene	0.914	0.103	"	1.03	ND	88.6	10-137				
Dibenzofuran	1.00	0.103	"	1.03	ND	97.0	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
Matrix Spike (BC21633-MS1) Matrix Spike	*Source sample: 22C0136-01 (Matrix Spike)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Diethyl phthalate	0.940	0.103	mg/kg dry	1.03	ND	91.0	20-120				
Dimethyl phthalate	0.907	0.103	"	1.03	ND	87.8	18-131				
Di-n-butyl phthalate	0.931	0.103	"	1.03	ND	90.2	10-137				
Di-n-octyl phthalate	0.925	0.103	"	1.03	ND	89.6	10-180				
Diphenylamine	1.02	0.206	"	1.03	ND	99.2	40-140				
Fluoranthene	1.08	0.103	"	1.03	ND	105	10-160				
Fluorene	1.06	0.103	"	1.03	ND	102	10-157				
Hexachlorobenzene	0.925	0.103	"	1.03	ND	89.6	10-137				
Hexachlorobutadiene	1.28	0.103	"	1.03	ND	124	10-132				
Hexachlorocyclopentadiene	ND	0.103	"	1.03	ND		10-106	Low Bias			
Hexachloroethane	0.568	0.103	"	1.03	ND	55.0	10-110				
Indeno(1,2,3-cd)pyrene	0.872	0.103	"	1.03	ND	84.5	10-144				
Isophorone	0.989	0.103	"	1.03	ND	95.8	10-132				
Naphthalene	1.06	0.103	"	1.03	ND	103	10-141				
Nitrobenzene	1.08	0.103	"	1.03	ND	105	10-131				
N-Nitrosodimethylamine	0.761	0.103	"	1.03	ND	73.7	10-126				
N-nitroso-di-n-propylamine	0.922	0.103	"	1.03	ND	89.4	10-125				
N-Nitrosodiphenylamine	1.10	0.103	"	1.03	ND	107	10-177				
Pentachlorophenol	0.472	0.103	"	1.03	ND	45.7	10-153				
Phenanthrene	1.05	0.103	"	1.03	ND	102	10-148				
Phenol	1.03	0.103	"	1.03	ND	99.4	10-126				
Pyrene	1.09	0.103	"	1.03	ND	105	10-165				
Pyridine	0.897	0.414	"	1.03	ND	86.9	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*0.908*		*"*	*2.06*		*44.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.946*		*"*	*2.06*		*45.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.535*		*"*	*1.03*		*51.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.501*		*"*	*1.03*		*48.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.13*		*"*	*2.06*		*54.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.556*		*"*	*1.03*		*53.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC21633 - EPA 3546 SVOA

Matrix Spike Dup (BC21633-M Matrix Spike Dup Source sample: 22C0136-01 (Matrix Spike Dup) Prepared: 03/07/2022 Analyzed: 03/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	1.38	0.103	mg/kg dry	1.03	ND	134	10-130	High Bias	19.8	30	
1,2,4,5-Tetrachlorobenzene	1.48	0.206	"	1.03	ND	143	10-133	High Bias	22.3	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.06	0.103	"	1.03	ND	103	10-144		24.6	30	
2,3,4,6-Tetrachlorophenol	1.32	0.206	"	1.03	ND	128	30-130		30.7	30	Non-dir.
2,4,5-Trichlorophenol	1.23	0.103	"	1.03	ND	119	10-127		17.1	30	
2,4,6-Trichlorophenol	1.24	0.103	"	1.03	ND	120	10-132		20.9	30	
2,4-Dichlorophenol	1.47	0.103	"	1.03	ND	143	10-128	High Bias	29.2	30	
2,4-Dimethylphenol	1.22	0.103	"	1.03	ND	118	10-137		15.0	30	
2,4-Dinitrophenol	ND	0.206	"	1.03	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	1.15	0.103	"	1.03	ND	111	16-135		19.0	30	
2,6-Dinitrotoluene	1.15	0.103	"	1.03	ND	111	18-131		22.6	30	
2-Chloronaphthalene	1.23	0.103	"	1.03	ND	119	10-129		23.8	30	
2-Chlorophenol	1.44	0.103	"	1.03	ND	139	15-116	High Bias	31.6	30	Non-dir.
2-Methylnaphthalene	1.33	0.103	"	1.03	ND	129	10-147		19.5	30	
2-Methylphenol	1.31	0.103	"	1.03	ND	127	10-136		11.6	30	
2-Nitroaniline	1.55	0.206	"	1.03	ND	150	10-137	High Bias	28.2	30	
2-Nitrophenol	0.788	0.103	"	1.03	ND	76.3	10-129		14.4	30	
3- & 4-Methylphenols	1.16	0.103	"	1.03	ND	113	10-123		29.2	30	
3,3-Dichlorobenzidine	1.04	0.103	"	1.03	ND	101	10-155		21.9	30	
3-Nitroaniline	1.54	0.206	"	1.03	ND	149	12-133	High Bias	28.1	30	
4,6-Dinitro-2-methylphenol	ND	0.206	"	1.03	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	1.31	0.103	"	1.03	ND	126	14-128		20.1	30	
4-Chloro-3-methylphenol	1.46	0.103	"	1.03	ND	142	10-134	High Bias	25.8	30	
4-Chloroaniline	1.33	0.103	"	1.03	ND	129	10-145		34.4	30	Non-dir.
4-Chlorophenyl phenyl ether	1.34	0.103	"	1.03	ND	130	14-130		29.1	30	
4-Nitroaniline	1.34	0.206	"	1.03	ND	130	10-147		31.9	30	Non-dir.
4-Nitrophenol	1.04	0.206	"	1.03	ND	101	10-137		31.6	30	Non-dir.
Acenaphthene	1.40	0.103	"	1.03	ND	136	10-146		23.7	30	
Acenaphthylene	1.19	0.103	"	1.03	ND	116	10-134		20.2	30	
Acetophenone	1.41	0.103	"	1.03	ND	136	10-116	High Bias	27.5	30	
Aniline	0.954	0.414	"	1.03	ND	92.4	10-123		17.8	30	
Anthracene	1.25	0.103	"	1.03	ND	121	10-142		20.0	30	
Atrazine	1.19	0.103	"	1.03	ND	116	19-115	High Bias	23.6	30	
Benzaldehyde	1.17	0.103	"	1.03	ND	113	10-125		13.6	30	
Benzo(a)anthracene	1.23	0.103	"	1.03	ND	119	10-158		18.6	30	
Benzo(a)pyrene	1.03	0.103	"	1.03	ND	99.6	10-180		21.4	30	
Benzo(b)fluoranthene	1.12	0.103	"	1.03	ND	109	10-200		24.6	30	
Benzo(g,h,i)perylene	1.07	0.103	"	1.03	ND	103	10-138		25.8	30	
Benzo(k)fluoranthene	1.17	0.103	"	1.03	ND	114	10-197		30.8	30	Non-dir.
Benzoic acid	0.503	0.103	"	1.03	ND	48.7	10-166		8.34	30	
Benzyl alcohol	1.31	0.103	"	1.03	ND	127	12-124	High Bias	23.8	30	
Benzyl butyl phthalate	1.26	0.103	"	1.03	ND	122	10-154		20.6	30	
Bis(2-chloroethoxy)methane	1.08	0.103	"	1.03	ND	104	10-132		16.9	30	
Bis(2-chloroethyl)ether	1.36	0.103	"	1.03	ND	132	10-119	High Bias	32.1	30	Non-dir.
Bis(2-chloroisopropyl)ether	1.17	0.103	"	1.03	ND	113	10-139		28.8	30	
Bis(2-ethylhexyl)phthalate	1.21	0.103	"	1.03	ND	117	10-167		27.5	30	
Caprolactam	1.25	0.206	"	1.03	ND	121	10-132		25.1	30	
Carbazole	1.19	0.103	"	1.03	ND	115	10-167		20.9	30	
Chrysene	1.18	0.103	"	1.03	ND	115	10-156		23.2	30	
Dibenzo(a,h)anthracene	1.21	0.103	"	1.03	ND	117	10-137		27.6	30	
Dibenzofuran	1.34	0.103	"	1.03	ND	130	10-147		28.9	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21633 - EPA 3546 SVOA											
Matrix Spike Dup (BC21633-M Matrix Spike Dup	*Source sample: 22C0136-01 (Matrix Spike Dup)								Prepared: 03/07/2022 Analyzed: 03/08/2022		
Diethyl phthalate	1.21	0.103	mg/kg dry	1.03	ND	118	20-120		25.5	30	
Dimethyl phthalate	1.20	0.103	"	1.03	ND	116	18-131		27.5	30	
Di-n-butyl phthalate	1.21	0.103	"	1.03	ND	117	10-137		25.7	30	
Di-n-octyl phthalate	1.15	0.103	"	1.03	ND	111	10-180		21.4	30	
Diphenylamine	1.38	0.206	"	1.03	ND	134	40-140		29.8	30	
Fluoranthene	1.37	0.103	"	1.03	ND	132	10-160		23.2	30	
Fluorene	1.42	0.103	"	1.03	ND	137	10-157		29.0	30	
Hexachlorobenzene	1.20	0.103	"	1.03	ND	116	10-137		26.1	30	
Hexachlorobutadiene	1.48	0.103	"	1.03	ND	143	10-132	High Bias	14.8	30	
Hexachlorocyclopentadiene	ND	0.103	"	1.03	ND		10-106	Low Bias		30	
Hexachloroethane	0.816	0.103	"	1.03	ND	79.0	10-110		35.8	30	Non-dir.
Indeno(1,2,3-cd)pyrene	1.13	0.103	"	1.03	ND	110	10-144		26.0	30	
Isophorone	1.24	0.103	"	1.03	ND	121	10-132		22.8	30	
Naphthalene	1.25	0.103	"	1.03	ND	121	10-141		16.2	30	
Nitrobenzene	1.28	0.103	"	1.03	ND	124	10-131		16.4	30	
N-Nitrosodimethylamine	0.898	0.103	"	1.03	ND	87.0	10-126		16.5	30	
N-nitroso-di-n-propylamine	1.07	0.103	"	1.03	ND	104	10-125		14.7	30	
N-Nitrosodiphenylamine	1.36	0.103	"	1.03	ND	132	10-177		21.0	30	
Pentachlorophenol	0.536	0.103	"	1.03	ND	51.9	10-153		12.8	30	
Phenanthrene	1.27	0.103	"	1.03	ND	123	10-148		18.4	30	
Phenol	1.24	0.103	"	1.03	ND	121	10-126		19.2	30	
Pyrene	1.35	0.103	"	1.03	ND	130	10-165		21.3	30	
Pyridine	1.20	0.414	"	1.03	ND	117	10-83	High Bias	29.3	30	
Surrogate: SURR: 2-Fluorophenol	*1.28*		*"*	*2.06*		*62.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		*"*	*2.06*		*58.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.663*		*"*	*1.03*		*64.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.642*		*"*	*1.03*		*62.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.41*		*"*	*2.06*		*68.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.675*		*"*	*1.03*		*65.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21651 - EPA 3550C											
Blank (BC21651-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*356*		*"*	*495*		*72.0*	*39-127.5*				
LCS (BC21651-BS1) LCS									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane	520	19.8	ug/kg	495		105	40-130				
Surrogate: 1,4-Dioxane-d8	*396*		*"*	*495*		*80.0*	*39-127.5*				
Matrix Spike (BC21651-MS1) Matrix Spike *Source sample: 22B1212-05 (Matrix Spike)									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*376*		*"*	*495*		*76.0*	*40-130*				
Matrix Spike Dup (BC21651-M Matrix Spike Dup *Source sample: 22B1212-05 (Matrix Spike Dup)									Prepared: 03/07/2022 Analyzed: 03/09/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21747 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC21747-BLK1) Blank								Prepared & Analyzed: 03/08/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*69.0*		*"*	*74.3*		*92.9*	*25-150*				
Surrogate: M5PFHxA	*79.0*		*"*	*80.0*		*98.8*	*25-150*				
Surrogate: M4PFHpA	*86.6*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*77.1*		*"*	*75.7*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4*		*"*	*80.0*		*86.7*	*25-150*				
Surrogate: M6PFDA	*91.3*		*"*	*80.0*		*114*	*25-150*				
Surrogate: M7PFUdA	*79.1*		*"*	*80.0*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.3*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*65.1*		*"*	*80.0*		*81.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.5*		*"*	*80.0*		*93.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.3*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.7*		*"*	*80.0*		*97.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*44.7*		*"*	*80.0*		*55.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*117*		*"*	*80.0*		*146*	*25-150*				
Surrogate: d5-N-EtFOSAA	*114*		*"*	*80.0*		*142*	*25-150*				
Surrogate: M2-6:2 FTS	*79.1*		*"*	*75.9*		*104*	*25-200*				
Surrogate: M2-8:2 FTS	*71.9*		*"*	*76.6*		*93.9*	*25-200*				
Surrogate: M9PFNA	*78.5*		*"*	*80.0*		*98.1*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21747 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC21747-BS1) LCS							Prepared & Analyzed: 03/08/2022				
Perfluorobutanesulfonic acid (PFBS)	74.2	2.00	ng/L	70.8		105	50-130				
Perfluorohexanoic acid (PFHxA)	76.9	2.00	"	80.0		96.1	50-130				
Perfluoroheptanoic acid (PFHpA)	72.1	2.00	"	80.0		90.1	50-130				
Perfluorohexanesulfonic acid (PFHxS)	71.2	2.00	"	72.8		97.8	50-130				
Perfluorooctanoic acid (PFOA)	75.4	2.00	"	80.0		94.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	52.8	2.00	"	74.0		71.4	50-130				
Perfluorononanoic acid (PFNA)	83.5	2.00	"	80.0		104	50-130				
Perfluorodecanoic acid (PFDA)	66.8	2.00	"	80.0		83.5	50-130				
Perfluoroundecanoic acid (PFUnA)	80.1	2.00	"	80.0		100	50-130				
Perfluorododecanoic acid (PFDoA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorotridecanoic acid (PFTrDA)	67.3	2.00	"	80.0		84.1	50-130				
Perfluorotetradecanoic acid (PFTA)	78.5	2.00	"	80.0		98.1	50-130				
N-MeFOSAA	65.2	2.00	"	80.0		81.4	50-130				
N-EtFOSAA	75.6	2.00	"	80.0		94.5	50-130				
Perfluoropentanoic acid (PFPeA)	77.6	2.00	"	80.0		97.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	77.4	2.00	"	80.0		96.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	70.8	2.00	"	76.4		92.6	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	68.2	2.00	"	77.2		88.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	64.3	5.00	"	76.0		84.6	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.8	2.00	"	76.8		93.5	50-175				
Perfluoro-n-butanoic acid (PFBA)	79.5	2.00	"	80.0		99.3	50-130				
Surrogate: M3PFBS	*65.0*		*"*	*74.3*		*87.4*	*25-150*				
Surrogate: M5PFHxA	*76.5*		*"*	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*81.3*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*68.6*		*"*	*75.7*		*90.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.6*		*"*	*80.0*		*95.7*	*25-150*				
Surrogate: M6PFDA	*87.4*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M7PFUdA	*76.1*		*"*	*80.0*		*95.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.0*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M2PFTeDA	*68.8*		*"*	*80.0*		*86.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.7*		*"*	*80.0*		*87.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.1*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*70.3*		*"*	*80.0*		*87.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*33.1*		*"*	*80.0*		*41.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*107*		*"*	*80.0*		*134*	*25-150*				
Surrogate: d5-N-EtFOSAA	*99.5*		*"*	*80.0*		*124*	*25-150*				
Surrogate: M2-6:2 FTS	*72.7*		*"*	*75.9*		*95.8*	*25-200*				
Surrogate: M2-8:2 FTS	*77.0*		*"*	*76.6*		*100*	*25-200*				
Surrogate: M9PFNA	*73.0*		*"*	*80.0*		*91.3*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BC21747 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC21747-MS1) Matrix Spike *Source sample: 22C0296-01 (Matrix Spike) Prepared & Analyzed: 03/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	92.1	1.89	ng/L	67.0	22.5	104	25-150				
Perfluorohexanoic acid (PFHxA)	157	1.89	"	75.8	72.3	112	25-150				
Perfluoroheptanoic acid (PFHpA)	107	1.89	"	75.8	27.7	104	25-150				
Perfluorohexanesulfonic acid (PFHxS)	66.6	1.89	"	68.9	3.99	90.8	25-150				
Perfluorooctanoic acid (PFOA)	145	1.89	"	75.8	54.8	119	25-150				
Perfluorooctanesulfonic acid (PFOS)	103	1.89	"	70.1	29.2	105	25-150				
Perfluorononanoic acid (PFNA)	94.9	1.89	"	75.8	6.77	116	25-150				
Perfluorodecanoic acid (PFDA)	67.2	1.89	"	75.8	ND	88.7	25-150				
Perfluoroundecanoic acid (PFUnA)	76.9	1.89	"	75.8	ND	101	25-150				
Perfluorododecanoic acid (PFDoA)	81.2	1.89	"	75.8	ND	107	25-150				
Perfluorotridecanoic acid (PFTrDA)	66.0	1.89	"	75.8	ND	87.1	25-150				
Perfluorotetradecanoic acid (PFTA)	76.6	1.89	"	75.8	ND	101	25-150				
N-MeFOSAA	74.3	1.89	"	75.8	ND	98.1	25-150				
N-EtFOSAA	67.3	1.89	"	75.8	ND	88.8	25-150				
Perfluoropentanoic acid (PFPeA)	149	1.89	"	75.8	73.6	99.6	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	81.2	1.89	"	75.8	ND	107	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.9	1.89	"	72.3	ND	126	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	56.5	1.89	"	73.1	ND	77.2	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	87.7	4.73	"	72.0	9.38	109	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	74.4	1.89	"	72.7	ND	102	25-200				
Perfluoro-n-butanoic acid (PFBA)	142	1.89	"	75.8	60.4	107	25-150				
Surrogate: M3PFBS	*67.7*		*"*	*70.4*		*96.2*	*25-150*				
Surrogate: M5PFHxA	*71.6*		*"*	*75.8*		*94.5*	*25-150*				
Surrogate: M4PFHpA	*73.2*		*"*	*75.8*		*96.7*	*25-150*				
Surrogate: M3PFHxS	*77.2*		*"*	*71.7*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.6*		*"*	*75.8*		*95.8*	*25-150*				
Surrogate: M6PFDA	*77.1*		*"*	*75.8*		*102*	*25-150*				
Surrogate: M7PFUdA	*63.4*		*"*	*75.8*		*83.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*57.0*		*"*	*75.8*		*75.3*	*25-150*				
Surrogate: M2PFTeDA	*45.0*		*"*	*75.8*		*59.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.0*		*"*	*75.8*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.2*		*"*	*72.5*		*98.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.8*		*"*	*75.8*		*90.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*12.1*		*"*	*75.8*		*15.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*77.7*		*"*	*75.8*		*103*	*25-150*				
Surrogate: d5-N-EtFOSAA	*87.4*		*"*	*75.8*		*115*	*25-150*				
Surrogate: M2-6:2 FTS	*72.1*		*"*	*71.9*		*100*	*25-200*				
Surrogate: M2-8:2 FTS	*63.1*		*"*	*72.6*		*86.9*	*25-200*				
Surrogate: M9PFNA	*65.9*		*"*	*75.8*		*87.0*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BC21747 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BC21747-M Matrix Spike Dup *Source sample: 22C0296-01 (Matrix Spike Dup) Prepared & Analyzed: 03/08/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	102	1.92	ng/L	68.1	22.5	117	25-150		10.7	35	
Perfluorohexanoic acid (PFHxA)	148	1.92	"	76.9	72.3	99.0	25-150		5.64	35	
Perfluoroheptanoic acid (PFHpA)	116	1.92	"	76.9	27.7	114	25-150		7.83	35	
Perfluorohexanesulfonic acid (PFHxS)	63.7	1.92	"	70.0	3.99	85.3	25-150		4.43	35	
Perfluorooctanoic acid (PFOA)	163	1.92	"	76.9	54.8	140	25-150		11.8	35	
Perfluorooctanesulfonic acid (PFOS)	95.4	1.92	"	71.2	29.2	93.0	25-150		7.60	35	
Perfluorononanoic acid (PFNA)	89.5	1.92	"	76.9	6.77	108	25-150		5.83	35	
Perfluorodecanoic acid (PFDA)	68.2	1.92	"	76.9	ND	88.6	25-150		1.50	35	
Perfluoroundecanoic acid (PFUnA)	79.2	1.92	"	76.9	ND	103	25-150		2.98	35	
Perfluorododecanoic acid (PFDoA)	79.2	1.92	"	76.9	ND	103	25-150		2.53	35	
Perfluorotridecanoic acid (PFTrDA)	72.8	1.92	"	76.9	ND	94.6	25-150		9.78	35	
Perfluorotetradecanoic acid (PFTA)	74.6	1.92	"	76.9	ND	97.0	25-150		2.56	35	
N-MeFOSAA	68.8	1.92	"	76.9	ND	89.5	25-150		7.70	35	
N-EtFOSAA	68.1	1.92	"	76.9	ND	88.5	25-150		1.12	35	
Perfluoropentanoic acid (PFPeA)	152	1.92	"	76.9	73.6	102	25-150		2.19	35	
Perfluoro-1-octanesulfonamide (FOSA)	70.3	1.92	"	76.9	ND	91.4	25-150		14.3	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	93.8	1.92	"	73.5	ND	128	25-150		3.17	35	
Perfluoro-1-decanesulfonic acid (PFDS)	72.8	1.92	"	74.2	ND	98.1	25-150		25.3	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	92.0	4.81	"	73.1	9.38	113	25-200		4.74	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	54.7	1.92	"	73.8	ND	74.1	25-200		30.4	35	
Perfluoro-n-butanoic acid (PFBA)	145	1.92	"	76.9	60.4	111	25-150		2.51	35	
Surrogate: M3PFBS	*56.5*		"	*71.5*		*79.1*	*25-150*				
Surrogate: M5PFHxA	*68.0*		"	*76.9*		*88.5*	*25-150*				
Surrogate: M4PFHpA	*62.8*		"	*76.9*		*81.6*	*25-150*				
Surrogate: M3PFHxS	*72.4*		"	*72.8*		*99.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*60.2*		"	*76.9*		*78.2*	*25-150*				
Surrogate: M6PFDA	*73.2*		"	*76.9*		*95.2*	*25-150*				
Surrogate: M7PFUdA	*64.1*		"	*76.9*		*83.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*66.3*		"	*76.9*		*86.2*	*25-150*				
Surrogate: M2PFTeDA	*60.3*		"	*76.9*		*78.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.7*		"	*76.9*		*77.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.0*		"	*73.6*		*88.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*63.2*		"	*76.9*		*82.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.65*		"	*76.9*		*6.04*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.1*		"	*76.9*		*108*	*25-150*				
Surrogate: d5-N-EtFOSAA	*88.1*		"	*76.9*		*115*	*25-150*				
Surrogate: M2-6:2 FTS	*68.5*		"	*73.0*		*93.9*	*25-200*				
Surrogate: M2-8:2 FTS	*71.4*		"	*73.7*		*96.9*	*25-200*				
Surrogate: M9PFNA	*62.3*		"	*76.9*		*81.0*	*25-150*				

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

Batch BC21836 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC21836-BLK1) Blank — Prepared: 03/09/2022 Analyzed: 03/11/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*4.01*		"	*4.58*		*87.5*	*25-150*				
Surrogate: M5PFHxA	*4.42*		"	*4.93*		*89.6*	*25-150*				
Surrogate: M4PFHpA	*4.29*		"	*4.93*		*87.1*	*25-150*				
Surrogate: M3PFHxS	*4.72*		"	*4.66*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.94*		"	*4.93*		*80.0*	*25-150*				
Surrogate: M6PFDA	*4.44*		"	*4.93*		*90.1*	*25-150*				
Surrogate: M7PFUdA	*3.36*		"	*4.93*		*68.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.39*		"	*4.93*		*68.7*	*25-150*				
Surrogate: M2PFTeDA	*2.55*		"	*4.93*		*51.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.17*		"	*4.93*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.60*		"	*4.72*		*97.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.06*		"	*4.93*		*82.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.98*		"	*4.93*		*60.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.72*		"	*4.93*		*95.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.91*		"	*4.93*		*79.3*	*25-150*				
Surrogate: M2-6:2 FTS	*5.01*		"	*4.68*		*107*	*25-200*				
Surrogate: M2-8:2 FTS	*3.93*		"	*4.72*		*83.2*	*25-200*				
Surrogate: M9PFNA	*5.57*		"	*4.93*		*113*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21836 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC21836-BS1) LCS								Prepared: 03/09/2022 Analyzed: 03/11/2022			
Perfluorobutanesulfonic acid (PFBS)	4.82	0.240	ug/kg wet	4.24		114	50-130				
Perfluorohexanoic acid (PFHxA)	5.41	0.240	"	4.79		113	50-130				
Perfluoroheptanoic acid (PFHpA)	5.70	0.240	"	4.79		119	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.27	0.240	"	4.36		121	50-130				
Perfluorooctanoic acid (PFOA)	6.26	0.240	"	4.79		131	50-135				
Perfluorooctanesulfonic acid (PFOS)	4.55	0.240	"	4.43		103	50-130				
Perfluorononanoic acid (PFNA)	5.72	0.240	"	4.79		119	50-130				
Perfluorodecanoic acid (PFDA)	6.29	0.240	"	4.79		131	50-135				
Perfluoroundecanoic acid (PFUnA)	4.89	0.240	"	4.79		102	50-130				
Perfluorododecanoic acid (PFDoA)	5.46	0.240	"	4.79		114	50-130				
Perfluorotridecanoic acid (PFTrDA)	5.06	0.240	"	4.79		106	50-130				
Perfluorotetradecanoic acid (PFTA)	4.98	0.240	"	4.79		104	50-130				
N-MeFOSAA	6.00	0.240	"	4.79		125	50-130				
N-EtFOSAA	6.16	0.240	"	4.79		129	50-130				
Perfluoropentanoic acid (PFPeA)	5.44	0.240	"	4.79		114	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.26	0.240	"	4.79		110	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.09	0.240	"	4.58		155	50-135	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.45	0.240	"	4.63		96.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.82	0.240	"	4.55		106	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.65	0.240	"	4.60		144	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.91	0.240	"	4.79		123	50-130				
Surrogate: M3PFBS	*3.56*		*"*	*4.45*		*79.9*	*25-150*				
Surrogate: M5PFHxA	*4.20*		*"*	*4.79*		*87.6*	*25-150*				
Surrogate: M4PFHpA	*3.97*		*"*	*4.79*		*82.9*	*25-150*				
Surrogate: M3PFHxS	*3.63*		*"*	*4.54*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.89*		*"*	*4.79*		*81.2*	*25-150*				
Surrogate: M6PFDA	*3.45*		*"*	*4.79*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*3.41*		*"*	*4.79*		*71.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.32*		*"*	*4.79*		*69.2*	*25-150*				
Surrogate: M2PFTeDA	*3.05*		*"*	*4.79*		*63.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.75*		*"*	*4.79*		*78.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.78*		*"*	*4.59*		*82.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.96*		*"*	*4.79*		*82.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.60*		*"*	*4.79*		*75.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.24*		*"*	*4.79*		*88.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.51*		*"*	*4.79*		*73.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.70*		*"*	*4.55*		*81.4*	*25-200*				
Surrogate: M2-8:2 FTS	*3.50*		*"*	*4.59*		*76.1*	*25-200*				
Surrogate: M9PFNA	*4.60*		*"*	*4.79*		*95.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21836 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC21836-MS1) Matrix Spike	*Source sample: 22C0401-11 (Matrix Spike)								Prepared: 03/09/2022 Analyzed: 03/11/2022		
Perfluorobutanesulfonic acid (PFBS)	4.35	0.259	ug/kg dry	4.59	ND	94.9	25-150				
Perfluorohexanoic acid (PFHxA)	4.66	0.259	"	5.18	ND	89.8	25-150				
Perfluoroheptanoic acid (PFHpA)	5.39	0.259	"	5.18	ND	104	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.33	0.259	"	4.72	ND	91.7	25-150				
Perfluorooctanoic acid (PFOA)	4.79	0.259	"	5.18	0.332	86.0	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.07	0.259	"	4.80	ND	84.9	25-150				
Perfluorononanoic acid (PFNA)	4.83	0.259	"	5.18	ND	93.2	25-150				
Perfluorodecanoic acid (PFDA)	5.06	0.259	"	5.18	ND	97.7	25-150				
Perfluoroundecanoic acid (PFUnA)	4.42	0.259	"	5.18	ND	85.3	25-150				
Perfluorododecanoic acid (PFDoA)	5.13	0.259	"	5.18	ND	99.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.54	0.259	"	5.18	ND	87.5	25-150				
Perfluorotetradecanoic acid (PFTA)	4.86	0.259	"	5.18	ND	93.8	25-150				
N-MeFOSAA	4.47	0.259	"	5.18	ND	86.2	25-150				
N-EtFOSAA	4.38	0.259	"	5.18	ND	84.5	25-150				
Perfluoropentanoic acid (PFPeA)	5.38	0.259	"	5.18	ND	104	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.19	0.259	"	5.18	ND	80.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.47	0.259	"	4.95	ND	90.2	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.72	0.259	"	5.00	ND	54.4	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.63	0.259	"	4.92	ND	73.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.65	0.259	"	4.98	ND	113	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.26	0.259	"	5.18	ND	102	25-150				
Surrogate: M3PFBS	*4.61*		*"*	*4.82*		*95.7*	*25-150*				
Surrogate: M5PFHxA	*5.11*		*"*	*5.18*		*98.6*	*25-150*				
Surrogate: M4PFHpA	*5.21*		*"*	*5.18*		*101*	*25-150*				
Surrogate: M3PFHxS	*4.71*		*"*	*4.90*		*96.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.39*		*"*	*5.18*		*104*	*25-150*				
Surrogate: M6PFDA	*4.65*		*"*	*5.18*		*89.6*	*25-150*				
Surrogate: M7PFUdA	*4.97*		*"*	*5.18*		*95.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.41*		*"*	*5.18*		*85.1*	*25-150*				
Surrogate: M2PFTeDA	*4.04*		*"*	*5.18*		*78.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.90*		*"*	*5.18*		*94.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.73*		*"*	*4.96*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.67*		*"*	*5.18*		*90.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.67*		*"*	*5.18*		*90.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.91*		*"*	*5.18*		*114*	*25-150*				
Surrogate: d5-N-EtFOSAA	*7.04*		*"*	*5.18*		*136*	*25-150*				
Surrogate: M2-6:2 FTS	*5.42*		*"*	*4.92*		*110*	*25-200*				
Surrogate: M2-8:2 FTS	*3.86*		*"*	*4.97*		*77.7*	*25-200*				
Surrogate: M9PFNA	*5.64*		*"*	*5.18*		*109*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21836 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BC21836-M Matrix Spike Dup	*Source sample: 22C0401-11 (Matrix Spike Dup)								Prepared: 03/09/2022 Analyzed: 03/11/2022		
Perfluorobutanesulfonic acid (PFBS)	4.54	0.271	ug/kg dry	4.79	ND	94.9	25-150		4.24	35	
Perfluorohexanoic acid (PFHxA)	5.51	0.271	"	5.41	ND	102	25-150		16.7	35	
Perfluoroheptanoic acid (PFHpA)	5.10	0.271	"	5.41	ND	94.2	25-150		5.52	35	
Perfluorohexanesulfonic acid (PFHxS)	4.44	0.271	"	4.92	ND	90.2	25-150		2.62	35	
Perfluorooctanoic acid (PFOA)	5.22	0.271	"	5.41	0.332	90.4	25-150		8.69	35	
Perfluorooctanesulfonic acid (PFOS)	4.72	0.271	"	5.00	ND	94.3	25-150		14.8	35	
Perfluorononanoic acid (PFNA)	5.52	0.271	"	5.41	ND	102	25-150		13.3	35	
Perfluorodecanoic acid (PFDA)	5.54	0.271	"	5.41	ND	102	25-150		9.05	35	
Perfluoroundecanoic acid (PFUnA)	4.80	0.271	"	5.41	ND	88.7	25-150		8.19	35	
Perfluorododecanoic acid (PFDoA)	5.16	0.271	"	5.41	ND	95.3	25-150		0.449	35	
Perfluorotridecanoic acid (PFTrDA)	4.84	0.271	"	5.41	ND	89.5	25-150		6.49	35	
Perfluorotetradecanoic acid (PFTA)	5.26	0.271	"	5.41	ND	97.2	25-150		7.77	35	
N-MeFOSAA	6.21	0.271	"	5.41	ND	115	25-150		32.5	35	
N-EtFOSAA	5.54	0.271	"	5.41	ND	102	25-150		23.4	35	
Perfluoropentanoic acid (PFPeA)	5.99	0.271	"	5.41	ND	111	25-150		10.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.20	0.271	"	5.41	ND	96.1	25-150		21.6	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.52	0.271	"	5.17	ND	107	25-150		21.2	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.60	0.271	"	5.22	ND	69.0	25-150		27.8	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.91	0.271	"	5.14	ND	76.0	25-200		7.39	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.58	0.271	"	5.19	ND	107	25-200		1.26	35	
Perfluoro-n-butanoic acid (PFBA)	5.92	0.271	"	5.41	ND	109	25-150		11.7	35	
Surrogate: M3PFBS	*4.33*		*"*	*5.03*		*86.1*	*25-150*				
Surrogate: M5PFHxA	*4.57*		*"*	*5.41*		*84.4*	*25-150*				
Surrogate: M4PFHpA	*4.86*		*"*	*5.41*		*89.9*	*25-150*				
Surrogate: M3PFHxS	*4.89*		*"*	*5.12*		*95.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.82*		*"*	*5.41*		*89.1*	*25-150*				
Surrogate: M6PFDA	*4.54*		*"*	*5.41*		*84.0*	*25-150*				
Surrogate: M7PFUdA	*3.99*		*"*	*5.41*		*73.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.16*		*"*	*5.41*		*76.9*	*25-150*				
Surrogate: M2PFTeDA	*3.41*		*"*	*5.41*		*63.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.36*		*"*	*5.41*		*80.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.36*		*"*	*5.18*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.24*		*"*	*5.41*		*78.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.92*		*"*	*5.41*		*72.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.86*		*"*	*5.41*		*89.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.46*		*"*	*5.41*		*82.4*	*25-150*				
Surrogate: M2-6:2 FTS	*5.61*		*"*	*5.13*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*4.02*		*"*	*5.18*		*77.6*	*25-200*				
Surrogate: M9PFNA	*5.22*		*"*	*5.41*		*96.5*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21650 - EPA 3550C											
Blank (BC21650-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0511*		*"*	*0.0664*		*76.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0414*		*"*	*0.0664*		*62.4*	*30-150*				
LCS (BC21650-BS1) LCS									Prepared: 03/07/2022 Analyzed: 03/08/2022		
4,4'-DDD	0.0203	0.00164	mg/kg wet	0.0332		61.0	40-140				
4,4'-DDE	0.0177	0.00164	"	0.0332		53.3	40-140				
4,4'-DDT	0.0141	0.00164	"	0.0332		42.4	40-140				
Aldrin	0.0234	0.00164	"	0.0332		70.5	40-140				
alpha-BHC	0.0243	0.00164	"	0.0332		73.2	40-140				
alpha-Chlordane	0.0218	0.00164	"	0.0332		65.7	40-140				
beta-BHC	0.0229	0.00164	"	0.0332		69.1	40-140				
delta-BHC	0.0209	0.00164	"	0.0332		62.8	40-140				
Dieldrin	0.0211	0.00164	"	0.0332		63.6	40-140				
Endosulfan I	0.0245	0.00164	"	0.0332		73.7	40-140				
Endosulfan II	0.0207	0.00164	"	0.0332		62.3	40-140				
Endosulfan sulfate	0.0184	0.00164	"	0.0332		55.2	40-140				
Endrin	0.0150	0.00164	"	0.0332		45.0	40-140				
Endrin aldehyde	0.0276	0.00164	"	0.0332		83.1	40-140				
Endrin ketone	0.0246	0.00164	"	0.0332		74.1	40-140				
gamma-BHC (Lindane)	0.0234	0.00164	"	0.0332		70.4	40-140				
gamma-Chlordane	0.0221	0.00164	"	0.0332		66.5	40-140				
Heptachlor	0.0173	0.00164	"	0.0332		52.0	40-140				
Heptachlor epoxide	0.0227	0.00164	"	0.0332		68.4	40-140				
Methoxychlor	0.0157	0.00164	"	0.0332		47.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0425*		*"*	*0.0664*		*63.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0352*		*"*	*0.0664*		*52.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21650 - EPA 3550C											
Matrix Spike (BC21650-MS1) Matrix Spike	*Source sample: 22C0136-01 (Matrix Spike)										Prepared: 03/07/2022 Analyzed: 03/22/2022
4,4'-DDD	0.0537	0.00204	mg/kg dry	0.0413	ND	130	30-150				
4,4'-DDE	0.0391	0.00204	"	0.0413	ND	94.8	30-150				
4,4'-DDT	0.0208	0.00204	"	0.0413	ND	50.3	30-150				
Aldrin	0.0525	0.00204	"	0.0413	ND	127	30-150				
alpha-BHC	0.0575	0.00204	"	0.0413	ND	139	30-150				
alpha-Chlordane	0.0508	0.00204	"	0.0413	ND	123	30-150				
beta-BHC	0.0551	0.00204	"	0.0413	ND	133	30-150				
delta-BHC	0.0496	0.00204	"	0.0413	ND	120	30-150				
Dieldrin	0.0500	0.00204	"	0.0413	ND	121	30-150				
Endosulfan I	0.0555	0.00204	"	0.0413	ND	134	30-150				
Endosulfan II	0.0484	0.00204	"	0.0413	ND	117	30-150				
Endosulfan sulfate	0.0421	0.00204	"	0.0413	ND	102	30-150				
Endrin	0.0413	0.00204	"	0.0413	ND	100	30-150				
Endrin aldehyde	0.0576	0.00204	"	0.0413	ND	140	30-150				
Endrin ketone	0.0576	0.00204	"	0.0413	ND	139	30-150				
gamma-BHC (Lindane)	0.0572	0.00204	"	0.0413	ND	138	30-150				
gamma-Chlordane	0.0511	0.00204	"	0.0413	ND	124	30-150				
Heptachlor	0.0461	0.00204	"	0.0413	ND	112	30-150				
Heptachlor epoxide	0.0529	0.00204	"	0.0413	ND	128	30-150				
Methoxychlor	0.0290	0.00204	"	0.0413	ND	70.1	30-150				
Surrogate: Decachlorobiphenyl	*0.0820*		*"*	*0.0826*		*99.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0714*		*"*	*0.0826*		*86.4*	*30-150*				
Matrix Spike Dup (BC21650-M Matrix Spike Dup	*Source sample: 22C0136-01 (Matrix Spike Dup)										Prepared: 03/07/2022 Analyzed: 03/22/2022
4,4'-DDD	0.0503	0.00204	mg/kg dry	0.0413	ND	122	30-150		6.50	30	
4,4'-DDE	0.0361	0.00204	"	0.0413	ND	87.5	30-150		7.98	30	
4,4'-DDT	0.0185	0.00204	"	0.0413	ND	44.9	30-150		11.4	30	
Aldrin	0.0499	0.00204	"	0.0413	ND	121	30-150		5.04	30	
alpha-BHC	0.0552	0.00204	"	0.0413	ND	134	30-150		4.03	30	
alpha-Chlordane	0.0478	0.00204	"	0.0413	ND	116	30-150		5.90	30	
beta-BHC	0.0526	0.00204	"	0.0413	ND	127	30-150		4.72	30	
delta-BHC	0.0473	0.00204	"	0.0413	ND	115	30-150		4.70	30	
Dieldrin	0.0472	0.00204	"	0.0413	ND	114	30-150		5.65	30	
Endosulfan I	0.0563	0.00204	"	0.0413	ND	136	30-150		1.42	30	
Endosulfan II	0.0464	0.00204	"	0.0413	ND	112	30-150		4.19	30	
Endosulfan sulfate	0.0400	0.00204	"	0.0413	ND	96.8	30-150		5.21	30	
Endrin	0.0384	0.00204	"	0.0413	ND	93.0	30-150		7.37	30	
Endrin aldehyde	0.0546	0.00204	"	0.0413	ND	132	30-150		5.37	30	
Endrin ketone	0.0570	0.00204	"	0.0413	ND	138	30-150		0.987	30	
gamma-BHC (Lindane)	0.0544	0.00204	"	0.0413	ND	132	30-150		4.87	30	
gamma-Chlordane	0.0484	0.00204	"	0.0413	ND	117	30-150		5.55	30	
Heptachlor	0.0438	0.00204	"	0.0413	ND	106	30-150		5.14	30	
Heptachlor epoxide	0.0499	0.00204	"	0.0413	ND	121	30-150		5.73	30	
Methoxychlor	0.0263	0.00204	"	0.0413	ND	63.7	30-150		9.66	30	
Surrogate: Decachlorobiphenyl	*0.0798*		*"*	*0.0826*		*96.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0693*		*"*	*0.0826*		*83.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix							Prepared & Analyzed: 02/07/2022				
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2C0916 - BB22117											
Performance Mix (Y2C0916-P Performance Mix							Prepared & Analyzed: 03/08/2022				
4,4'-DDD	7.89		ng/mL	0.00			0-200				
4,4'-DDE	2.21		"	0.00			0-200				
4,4'-DDT	298		"	200		149	0-200				
Endrin	150		"	100		150	0-200				
Endrin aldehyde	6.24		"	0.00			0-200				
Endrin ketone	9.23		"	0.00			0-200				
Batch Y2C2205 - BC21454											
Performance Mix (Y2C2205-P Performance Mix							Prepared & Analyzed: 03/21/2022				
4,4'-DDD	10.8		ng/mL	0.00			0-200				
4,4'-DDE	1.19		"	0.00			0-200				
4,4'-DDT	390		"	200		195	0-200				
Endrin	187		"	100		187	0-200				
Endrin aldehyde	7.86		"	0.00			0-200				
Endrin ketone	9.97		"	0.00			0-200				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2C2205 - BC21454											
Performance Mix (Y2C2205-P Performance Mix								Prepared & Analyzed: 03/21/2022			
4,4'-DDD	11.6		ng/mL	0.00			0-200				
4,4'-DDE	1.54		"	0.00			0-200				
4,4'-DDT	404		"	200		202	0-200	High Bias			
Endrin	195		"	100		195	0-200				
Endrin aldehyde	6.56		"	0.00			0-200				
Endrin ketone	10.1		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21650 - EPA 3550C											
Blank (BC21650-BLK2) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0565*		"	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0565*		"	*0.0664*		*85.0*	*30-150*				
LCS (BC21650-BS2) LCS									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aroclor 1016	0.227	0.0166	mg/kg wet	0.332		68.4	40-140			30	
Aroclor 1260	0.229	0.0166	"	0.332		69.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0422*		"	*0.0664*		*63.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0409*		"	*0.0664*		*61.5*	*30-150*				
Matrix Spike (BC21650-MS2) Matrix Spike *Source sample: 22C0136-01 (Matrix Spike)									Prepared: 03/07/2022 Analyzed: 03/09/2022		
Aroclor 1016	0.372	0.0206	mg/kg dry	0.413	ND	90.1	40-140			30	
Aroclor 1260	0.391	0.0206	"	0.413	ND	94.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0760*		"	*0.0826*		*92.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0776*		"	*0.0826*		*94.0*	*30-150*				
Matrix Spike Dup (BC21650-M Matrix Spike Dup *Source sample: 22C0136-01 (Matrix Spike Dup)									Prepared: 03/07/2022 Analyzed: 03/09/2022		
Aroclor 1016	0.340	0.0206	mg/kg dry	0.413	ND	82.3	40-140		9.10	30	
Aroclor 1260	0.329	0.0206	"	0.413	ND	79.6	40-140		17.4	30	
Surrogate: Tetrachloro-m-xylene	*0.0731*		"	*0.0826*		*88.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0578*		"	*0.0826*		*70.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2C0847 - BC21572											
Aroclor Reference (Y2C0847- Aroclor Reference										Prepared & Analyzed: 03/08/2022	
Surrogate: Tetrachloro-m-xylene	*0.207*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.230*		*"*	*0.200*		*115*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21625 - EPA 3550C/8151A											
Blank (BC21625-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.429*		*"*	*0.417*		*103*	*21-150*				
LCS (BC21625-BS1) LCS									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.117	0.0200	mg/kg wet	0.133		87.5	10-120				
2,4,5-TP (Silvex)	0.122	0.0200	"	0.133		91.9	10-120				
2,4-D	0.135	0.0200	"	0.133		101	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.415*		*"*	*0.417*		*99.6*	*21-150*				
Matrix Spike (BC21625-MS1) Matrix Spike *Source sample: 22C0013-01 (Matrix Spike)									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.0760	0.0205	mg/kg dry	0.137	ND	55.6	10-120				
2,4,5-TP (Silvex)	0.0743	0.0205	"	0.137	ND	54.4	10-120				
2,4-D	0.0854	0.0205	"	0.137	ND	62.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.358*		*"*	*0.427*		*83.8*	*21-150*				
Matrix Spike Dup (BC21625-M Matrix Spike Dup *Source sample: 22C0013-01 (Matrix Spike Dup)									Prepared: 03/07/2022 Analyzed: 03/08/2022		
2,4,5-T	0.0786	0.0205	mg/kg dry	0.137	ND	57.5	10-120		3.31	35	
2,4,5-TP (Silvex)	0.0786	0.0205	"	0.137	ND	57.5	10-120		5.59	35	
2,4-D	0.0897	0.0205	"	0.137	ND	65.6	10-118		4.88	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.366*		*"*	*0.427*		*85.6*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Blank (BC21688-BLK1) Blank									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	5.42	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	20.6	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC21688-DUP1) Duplicate *Source sample: 22C0352-03 (EP77_0.5)									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	7390	5.86	mg/kg dry		7490				1.36	35	
Antimony	ND	2.93	"		ND					35	
Arsenic	ND	1.76	"		1.94					35	
Barium	42.5	2.93	"		47.8				11.6	35	
Beryllium	ND	0.059	"		ND					35	
Cadmium	ND	0.351	"		ND					35	
Calcium	1590	5.86	"		5580				111	35	Non-dir.
Chromium	34.4	0.586	"		32.8				4.78	35	
Cobalt	12.8	0.468	"		12.9				0.414	35	
Copper	22.1	2.34	"		25.6				14.6	35	
Iron	16500	29.3	"		16100				2.38	35	
Lead	12.0	0.586	"		23.8				66.1	35	Non-dir.
Magnesium	3350	5.86	"		3840				13.8	35	
Manganese	416	0.586	"		464				11.0	35	
Nickel	128	1.17	"		129				0.481	35	
Potassium	1110	5.86	"		1080				3.07	35	
Selenium	ND	2.93	"		ND					35	
Silver	ND	0.586	"		ND					35	
Sodium	156	58.6	"		176				12.3	35	
Thallium	ND	2.93	"		ND					35	
Vanadium	23.3	1.17	"		22.6				2.81	35	
Zinc	28.7	2.93	"		36.8				24.8	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Matrix Spike (BC21688-MS1) Matrix Spike	*Source sample: 22C0352-03 (EP77_0.5)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Aluminum	8580	5.86	mg/kg dry	234	7490	465	75-125	High Bias			
Antimony	3.49	2.93	"	29.3	ND	11.9	75-125	Low Bias			
Arsenic	ND	1.76	"	234	1.94	NR	75-125	Low Bias			
Barium	53.5	2.93	"	234	47.8	2.45	75-125	Low Bias			
Beryllium	ND	0.059	"	5.86	ND		75-125	Low Bias			
Cadmium	ND	0.351	"	5.86	ND		75-125	Low Bias			
Calcium	1920	5.86	"	117	5580	NR	75-125	Low Bias			
Chromium	46.3	0.586	"	23.4	32.8	57.8	75-125	Low Bias			
Cobalt	14.2	0.468	"	58.6	12.9	2.27	75-125	Low Bias			
Copper	28.1	2.34	"	29.3	25.6	8.61	75-125	Low Bias			
Iron	19100	29.3	"	117	16100	NR	75-125	High Bias			
Lead	14.0	0.586	"	58.6	23.8	NR	75-125	Low Bias			
Magnesium	3630	5.86	"	117	3840	NR	75-125	Low Bias			
Manganese	661	0.586	"	58.6	464	336	75-125	High Bias			
Nickel	154	1.17	"	58.6	129	44.2	75-125	Low Bias			
Potassium	1110	5.86	"	117	1080	23.5	75-125	Low Bias			
Selenium	ND	2.93	"	234	ND		75-125	Low Bias			
Silver	ND	0.586	"	5.86	ND		75-125	Low Bias			
Sodium	179	58.6	"	117	176	1.87	75-125	Low Bias			
Thallium	ND	2.93	"	234	ND		75-125	Low Bias			
Vanadium	27.8	1.17	"	58.6	22.6	8.90	75-125	Low Bias			
Zinc	35.0	2.93	"	58.6	36.8	NR	75-125	Low Bias			
Post Spike (BC21688-PS1) Post Spike	*Source sample: 22C0352-03 (EP77_0.5)							Prepared: 03/07/2022 Analyzed: 03/08/2022			
Aluminum	66.2		ug/mL	2.00	64.0	110	75-125				
Antimony	0.315		"	0.250	0.018	119	75-125				
Arsenic	2.05		"	2.00	0.017	102	75-125				
Barium	2.63		"	2.00	0.408	111	75-125				
Beryllium	0.049		"	0.0500	-0.004	97.9	75-125				
Cadmium	0.053		"	0.0500	-0.0006	105	75-125				
Calcium	48.8		"	1.00	47.6	116	75-125				
Chromium	0.493		"	0.200	0.280	107	75-125				
Cobalt	0.661		"	0.500	0.110	110	75-125				
Copper	0.500		"	0.250	0.218	113	75-125				
Iron	136		"	1.00	138	NR	75-125	Low Bias			
Lead	0.771		"	0.500	0.203	114	75-125				
Magnesium	33.3		"	1.00	32.8	50.7	75-125	Low Bias			
Manganese	4.60		"	0.500	3.96	127	75-125	High Bias			
Nickel	1.70		"	0.500	1.10	119	75-125				
Potassium	10.1		"	1.00	9.23	91.5	75-125				
Selenium	1.58		"	2.00	-0.142	79.2	75-125				
Silver	0.028		"	0.0500	0.003	49.0	75-125	Low Bias			
Sodium	2.54		"	1.00	1.51	103	75-125				
Thallium	2.01		"	2.00	-0.016	100	75-125				
Vanadium	0.731		"	0.500	0.193	108	75-125				
Zinc	0.851		"	0.500	0.315	107	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21688 - EPA 3050B											
Reference (BC21688-SRM1) Reference											
									Prepared: 03/07/2022 Analyzed: 03/08/2022		
Aluminum	8870	5.00	mg/kg wet	8130		109	49.9-150.1				
Antimony	97.2	2.50	"	134		72.5	19.3-250				
Arsenic	153	1.50	"	156		97.8	69.9-130.1				
Barium	253	2.50	"	239		106	74.9-124.7				
Beryllium	184	0.050	"	169		109	75.1-125.4				
Cadmium	148	0.300	"	137		108	75.2-124.8				
Calcium	5030	5.00	"	4760		106	72.7-127.5				
Chromium	154	0.500	"	154		100	70.1-129.9				
Cobalt	134	0.400	"	121		111	75-124.8				
Copper	59.9	2.00	"	54.9		109	74.9-125				
Iron	14600	25.0	"	14100		104	34.9-164.5				
Lead	124	0.500	"	130		95.2	71.8-128.5				
Magnesium	2420	5.00	"	2320		104	62.1-137.9				
Manganese	288	0.500	"	269		107	74-126.4				
Nickel	68.1	1.00	"	53.9		126	69.9-129.9				
Potassium	2130	5.00	"	2020		105	58.9-141.1				
Selenium	120	2.50	"	167		72.0	67.7-132.3				
Silver	31.2	0.500	"	33.6		92.9	68.5-131.3				
Sodium	146	50.0	"	133		109	35-165.4				
Thallium	110	2.50	"	112		98.4	67.9-131.3				
Vanadium	63.1	1.00	"	62.6		101	59.1-141.1				
Zinc	155	2.50	"	158		98.0	70.3-129.7				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21680 - EPA 7473 soil											
Blank (BC21680-BLK1) Blank								Prepared & Analyzed: 03/07/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC21680-DUP1) Duplicate	*Source sample: 22C0047-01 (Duplicate)							Prepared & Analyzed: 03/07/2022			
Mercury	0.253	0.0361	mg/kg dry		0.255				0.900	35	
Matrix Spike (BC21680-MS1) Matrix Spike	*Source sample: 22C0047-01 (Matrix Spike)							Prepared & Analyzed: 03/07/2022			
Mercury	0.711		mg/kg	0.500	0.212	99.8	75-125				
Reference (BC21680-SRM1) Reference								Prepared & Analyzed: 03/07/2022			
Mercury	30.164		mg/kg	27.2		111	60-139.5				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21630 - Analysis Preparation Soil												
Blank (BC21630-BLK1)	Blank								Prepared & Analyzed: 03/07/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC21630-DUP1)	Duplicate	*Source sample: 22C0187-25 (Duplicate)							Prepared & Analyzed: 03/07/2022			
Cyanide, total		ND	0.533	mg/kg dry		ND					15	
Matrix Spike (BC21630-MS1)	Matrix Spike	*Source sample: 22C0187-25 (Matrix Spike)							Prepared & Analyzed: 03/07/2022			
Cyanide, total		9.17	0.533	mg/kg dry	10.7	ND	85.9	79.6-107				
Reference (BC21630-SRM1)	Reference								Prepared & Analyzed: 03/07/2022			
Cyanide, total		93.5		ug/mL	86.8		108	41.82-157.83				
Batch BC21742 - EPA SW846-3060												
Blank (BC21742-BLK1)	Blank								Prepared & Analyzed: 03/08/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC21742-DUP1)	Duplicate	*Source sample: 22C0443-01 (Duplicate)							Prepared & Analyzed: 03/08/2022			
Chromium, Hexavalent		ND	0.550	mg/kg dry		ND					35	
Matrix Spike (BC21742-MS1)	Matrix Spike	*Source sample: 22C0443-01 (Matrix Spike)							Prepared & Analyzed: 03/08/2022			
Chromium, Hexavalent		ND	0.550	mg/kg dry	22.0	ND		75-125	Low Bias			
Reference (BC21742-SRM1)	Reference								Prepared & Analyzed: 03/08/2022			
Chromium, Hexavalent		70.5		mg/L	109		64.7	30-169.7				
Batch BC21770 - Analysis Preparation Soil												
Blank (BC21770-BLK1)	Blank								Prepared & Analyzed: 03/08/2022			
Cyanide, total		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21770 - Analysis Preparation Soil												
Duplicate (BC21770-DUP1)	Duplicate	*Source sample: 22C0190-18 (Duplicate)								Prepared & Analyzed: 03/08/2022		
Cyanide, total		ND	0.521	mg/kg dry		ND					15	
Matrix Spike (BC21770-MS1)	Matrix Spike	*Source sample: 22C0190-18 (Matrix Spike)								Prepared & Analyzed: 03/08/2022		
Cyanide, total		8.06	0.521	mg/kg dry	10.4	ND	77.3	79.6-107	Low Bias			
Reference (BC21770-SRM1)	Reference									Prepared & Analyzed: 03/08/2022		
Cyanide, total		83.0		ug/mL	86.8		95.7	41.82-157.83				
Batch BC21778 - EPA SW846-3060												
Blank (BC21778-BLK1)	Blank									Prepared & Analyzed: 03/08/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC21778-DUP1)	Duplicate	*Source sample: 22C0352-03 (EP77_0.5)								Prepared & Analyzed: 03/08/2022		
Chromium, Hexavalent		ND	0.586	mg/kg dry		ND					35	
Matrix Spike (BC21778-MS1)	Matrix Spike	*Source sample: 22C0352-03 (EP77_0.5)								Prepared & Analyzed: 03/08/2022		
Chromium, Hexavalent		24.2	0.586	mg/kg dry	23.4	ND	103	75-125				
Reference (BC21778-SRM1)	Reference									Prepared & Analyzed: 03/08/2022		
Chromium, Hexavalent		124		mg/L	109		114	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21751 - % Solids Prep											
Duplicate (BC21751-DUP1) Duplicate	*Source sample: 22C0395-04 (Duplicate)								Prepared & Analyzed: 03/08/2022		
% Solids	97.3	0.100	%		97.7				0.361	20	
Batch BC21865 - % Solids Prep											
Duplicate (BC21865-DUP1) Duplicate	*Source sample: 22C0352-03 (EP77_0.5)								Prepared & Analyzed: 03/09/2022		
% Solids	84.8	0.100	%		85.4				0.651	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0352-01	EP08_0.5	40mL Vial with Stir Bar-Cool 4° C
22C0352-02	EP09_0.5	40mL Vial with Stir Bar-Cool 4° C
22C0352-03	EP77_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SRD1	The serial dilution for this element was outside control limits.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Corrective Action: Soil PFAS containers were not submitted due to a field sampling error. The PFAS analysis was conducted on bulk sample received for non-PFAS parameters with the clients authorization.

Revision Description: This report has been revised to correct SVOA QC results.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0352

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 6

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seaman	Contact:	Contact:
E-mail: kseaman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 485 Bay St

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP08_0.5	S	3/4/22 1130	TCL/Part 375 VOCs, SVOCs, PCBs, pesticides, herbicides, metals including cyanide, hexavalent and trivalent chromium, PFAS and 1,4-dioxane	RUN EP77 for parameter listed but DO NOT REPORT RESULTS * RUN EP77 on 3-DAY TAT. all other samples 2-day TAT ←
EP09_0.5	S	1123		
EP77_0.5	S	1140		
~~EP11_0.5~~	~~S~~	~~3/4/22 1150~~	~~Extra TCL + TAL Arsenic, Lead, Mercury, Chromium~~	
FB01_PFAS_030322	Other Aqu.	3/4/22 1200	PFAS	

Comments: Please include lesmea@langan.com maronica@langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Rachel Timpson-Castro / Langan	3/4/22 1305	Nel N York Fedex	3/4/22 1520	Nel N York Fedex	3/4/22 6pm
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
KBathyok	3/4/22 6pm	KBathyok	3/4/22 1940		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlock	3/4/22 1940 / 1.2 Degrees C

Technical Report

prepared for:

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

Report Date: 03/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0563

Report Date: 03/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0563

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 09, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0563-01	EP23_7.5	Soil	03/09/2022	03/09/2022
22C0563-02	EP24_7.5	Soil	03/09/2022	03/09/2022
22C0563-03	DUP04_03092022	Soil	03/09/2022	03/09/2022
22C0563-04	FB04_03092022	Water	03/09/2022	03/09/2022
22C0563-06	TB04_03092022	Water	03/09/2022	03/09/2022

General Notes for York Project (SDG) No.: 22C0563

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

Approved By **Date:** 03/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0049**	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.032**		mg/kg dry	0.0054	0.011	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.015**		mg/kg dry	0.0054	0.011	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	03/11/2022 06:17	03/11/2022 17:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.0640**	J	mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/10/2022 13:33	03/11/2022 15:33	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*58.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*41.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*84.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*77.8 %*	*24-116*

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM	03/10/2022 13:40	03/14/2022 11:19	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0361	5	EPA 8081B	03/11/2022 07:30	03/14/2022 11:59	CM
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*122 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*29.6 %*	S-GC	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:03	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*122 %*	*30-150*

Herbicides, Target List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0218	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:23	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:23	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0218	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:23	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*69.4 %*	*21-150*

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5450**		mg/kg dry	5.52	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/kg dry	1.66	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**37.5**		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.331	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1870**		mg/kg dry	5.52	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**16.2**		mg/kg dry	0.552	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**7.86**		mg/kg dry	0.442	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**27.2**		mg/kg dry	2.21	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**13700**		mg/kg dry	27.6	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**13.9**		mg/kg dry	0.552	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3350**		mg/kg dry	5.52	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**269**		mg/kg dry	0.552	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**69.4**		mg/kg dry	1.10	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1090**		mg/kg dry	5.52	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**121**		mg/kg dry	55.2	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**27.1**		mg/kg dry	1.10	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**28.6**		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:43	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.134**		mg/kg dry	0.0331	1	EPA 7473	03/11/2022 13:34	03/11/2022 14:08	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.552	1	EPA 7196A	03/10/2022 09:51	03/10/2022 18:14	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* **Chromium, Trivalent**	**16.2**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 17:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.552	1	EPA 9014/9010C	03/11/2022 14:22	03/11/2022 20:59	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0563-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:28 am	03/09/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.5**		%	0.100	1	SM 2540G	03/11/2022 16:58	03/11/2022 19:39	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-REN

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:** VOA-REN

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.014**		mg/kg dry	0.0060	0.012	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:** VOA-REN

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.0036**	J	mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-REN

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C	03/14/2022 06:10	03/14/2022 14:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.196	0.393	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.196	0.393	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.144**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.136**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0948**	J	mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0925**	J	mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.105**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.149**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0980	0.196	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.292**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0948**	J	mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.115**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.306**		mg/kg dry	0.0491	0.0980	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.196	0.393	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*50.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*87.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*93.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*100 %*	*24-116*

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM	03/10/2022 13:40	03/14/2022 10:34	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0387	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:16	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*113 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.3 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:16	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0238	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:33	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0238	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:33	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0238	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:33	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*70.0 %*	*21-150*

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5950**		mg/kg dry	6.02	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**10.7**		mg/kg dry	3.01	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**3.48**		mg/kg dry	1.80	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**59.2**		mg/kg dry	3.01	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.361	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**9610**		mg/kg dry	6.02	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**36.4**		mg/kg dry	0.602	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**16.2**		mg/kg dry	0.481	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**50.5**		mg/kg dry	2.41	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**16500**		mg/kg dry	30.1	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**133**		mg/kg dry	0.602	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**14500**		mg/kg dry	6.02	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**180**		mg/kg dry	0.602	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**237**		mg/kg dry	1.20	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**832**		mg/kg dry	6.02	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.602	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**547**		mg/kg dry	60.2	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	3.01	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**22.3**		mg/kg dry	1.20	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**123**		mg/kg dry	3.01	1	EPA 6010D	03/10/2022 14:59	03/11/2022 12:45	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.453**		mg/kg dry	0.0361	1	EPA 7473	03/11/2022 13:34	03/11/2022 14:22	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.602	1	EPA 7196A	03/10/2022 09:51	03/10/2022 18:14	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* **Chromium, Trivalent**	**36.4**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 17:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.602	1	EPA 9014/9010C	03/11/2022 14:22	03/11/2022 20:59	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0563-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 9:40 am	03/09/2022

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.1**		%	0.100	1	SM 2540G	03/11/2022 16:58	03/11/2022 19:39	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.014**		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.034**		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C	03/11/2022 06:17	03/11/2022 18:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0768**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.0596**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.0510**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	Carbazole	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.0768**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.126**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0510**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.0567**	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.111**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	03/10/2022 13:33	03/11/2022 16:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*55.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*42.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*69.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*87.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*76.8 %*	*24-116*

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM	03/10/2022 13:40	03/14/2022 10:51	KH
							Certifications: NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B	03/11/2022 07:30	03/14/2022 12:32	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*125 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*94.1 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:30	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*92.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0216	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:44	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:44	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A	03/10/2022 13:36	03/11/2022 13:44	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*68.2 %*	*21-150*

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5980**		mg/kg dry	5.53	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.13**		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/kg dry	1.66	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**39.7**		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**1930**		mg/kg dry	5.53	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**17.0**		mg/kg dry	0.553	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**9.27**		mg/kg dry	0.442	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**28.6**		mg/kg dry	2.21	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**15300**		mg/kg dry	27.6	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**9.02**		mg/kg dry	0.553	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3470**		mg/kg dry	5.53	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**225**		mg/kg dry	0.553	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**79.2**		mg/kg dry	1.11	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1260**		mg/kg dry	5.53	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**132**		mg/kg dry	55.3	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**27.2**		mg/kg dry	1.11	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**28.8**		mg/kg dry	2.76	1	EPA 6010D	03/10/2022 14:59	03/11/2022 16:39	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.103**		mg/kg dry	0.0332	1	EPA 7473	03/11/2022 13:34	03/11/2022 15:04	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A	03/11/2022 09:02	03/11/2022 18:09	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* **Chromium, Trivalent**	**17.0**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 17:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C	03/11/2022 14:22	03/11/2022 20:59	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP04_03092022 **York Sample ID:** 22C0563-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Soil	March 9, 2022 12:03 pm	03/09/2022

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.4**		%	0.100	1	SM 2540G	03/11/2022 16:58	03/11/2022 19:39	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**6.26**		ug/L	1.00	2.00	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/10/2022 09:00	03/10/2022 12:01	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.0 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	03/10/2022 13:42	03/11/2022 11:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*27.5 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*16.4 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.5 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.1 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*49.3 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.8 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	03/10/2022 13:42	03/11/2022 11:59	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	03/11/2022 07:23	03/15/2022 11:21	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*92.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00286	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0143	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0143	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0143	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00571	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.143	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		ug/L	0.286	1	EPA 8081B	03/10/2022 07:28	03/14/2022 08:03	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.5 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0714	1	EPA 8082A	03/10/2022 07:28	03/11/2022 01:24	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	03/10/2022 13:46	03/14/2022 15:15	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	03/10/2022 13:46	03/14/2022 15:15	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	03/10/2022 13:46	03/14/2022 15:15	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*64.8 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.242**	B	mg/L	0.0556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**0.00621**	B	mg/L	0.00556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	03/10/2022 14:33	03/11/2022 14:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	03/10/2022 14:49	03/11/2022 14:53	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	03/09/2022 18:43	03/09/2022 18:43	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB04_03092022 **York Sample ID:** 22C0563-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 11:07 am	03/09/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	03/09/2022 19:54	03/09/2022 21:54	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	03/11/2022 15:20	03/14/2022 17:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	03/14/2022 11:00	03/14/2022 18:08	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: TB04_03092022 **York Sample ID:** 22C0563-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 10:54 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB04_03092022 **York Sample ID:** 22C0563-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 10:54 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	**Chloromethane**	**0.370**	CCV-E, QL-02, B	ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB04_03092022 **York Sample ID:** 22C0563-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 10:54 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**1.14**	CCV-E, QL-02	ug/L	1.00	2.00	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB04_03092022 **York Sample ID:** 22C0563-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0563	170610601	Water	March 9, 2022 10:54 am	03/09/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/14/2022 09:00	03/14/2022 13:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*117 %*	*79-122*

Analytical Batch Summary

Batch ID: BC21883 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/09/22
BC21883-BLK1	Blank	03/09/22
BC21883-BS1	LCS	03/09/22
BC21883-BS2	LCS	03/09/22

Batch ID: BC21889 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/09/22
BC21889-BLK1	Blank	03/09/22
BC21889-BS1	LCS	03/09/22
BC21889-DUP1	Duplicate	03/09/22
BC21889-MS1	Matrix Spike	03/09/22

Batch ID: BC21898 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22
22C0563-04	FB04_03092022	03/10/22
BC21898-BLK2	Blank	03/10/22
BC21898-BS1	LCS	03/10/22
BC21898-BS2	LCS	03/10/22
BC21898-BSD1	LCS Dup	03/10/22
BC21898-BSD2	LCS Dup	03/10/22

Batch ID: BC21919 **Preparation Method:** EPA 5030B **Prepared By:** CLG

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22
BC21919-BLK1	Blank	03/10/22
BC21919-BS1	LCS	03/10/22
BC21919-BSD1	LCS Dup	03/10/22

Batch ID: BC21923 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/10/22
22C0563-02	EP24_7.5	03/10/22
BC21923-BLK1	Blank	03/10/22
BC21923-DUP1	Duplicate	03/10/22
BC21923-MS1	Matrix Spike	03/10/22
BC21923-SRM1	Reference	03/10/22

Batch ID: BC21935 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-06	TB04_03092022	03/14/22
BC21935-BLK1	Blank	03/14/22
BC21935-BS1	LCS	03/14/22
BC21935-BSD1	LCS Dup	03/14/22

Batch ID: BC21944 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/10/22
22C0563-02	EP24_7.5	03/10/22
22C0563-03	DUP04_03092022	03/10/22
BC21944-BLK1	Blank	03/10/22
BC21944-BS1	LCS	03/10/22
BC21944-MS1	Matrix Spike	03/10/22
BC21944-MSD1	Matrix Spike Dup	03/10/22

Batch ID: BC21945 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/10/22
22C0563-02	EP24_7.5	03/10/22
22C0563-03	DUP04_03092022	03/10/22
BC21945-BLK1	Blank	03/10/22
BC21945-BS1	LCS	03/10/22
BC21945-MS1	Matrix Spike	03/10/22
BC21945-MS2	Matrix Spike	03/10/22
BC21945-MSD1	Matrix Spike Dup	03/10/22
BC21945-MSD2	Matrix Spike Dup	03/10/22

Batch ID: BC21947 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/10/22
22C0563-02	EP24_7.5	03/10/22
22C0563-03	DUP04_03092022	03/10/22
BC21947-BLK1	Blank	03/10/22
BC21947-BS1	LCS	03/10/22
BC21947-MS1	Matrix Spike	03/10/22
BC21947-MSD1	Matrix Spike Dup	03/10/22

Batch ID: BC21948 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22

BC21948-BLK1	Blank	03/10/22
BC21948-BLK2	Blank	03/10/22
BC21948-BS1	LCS	03/10/22
BC21948-BS2	LCS	03/10/22
BC21948-BSD1	LCS Dup	03/10/22

Batch ID: BC21949 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22
BC21949-BLK1	Blank	03/10/22
BC21949-BS1	LCS	03/10/22
BC21949-BSD1	LCS Dup	03/10/22

Batch ID: BC21957 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22
BC21957-BLK1	Blank	03/10/22
BC21957-BS1	LCS	03/10/22
BC21957-DUP1	Duplicate	03/10/22
BC21957-MS1	Matrix Spike	03/10/22
BC21957-PS1	Post Spike	03/10/22

Batch ID: BC21961 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/10/22
BC21961-BLK1	Blank	03/10/22
BC21961-BS1	LCS	03/10/22
BC21961-DUP1	Duplicate	03/10/22
BC21961-MS1	Matrix Spike	03/10/22

Batch ID: BC21964 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/10/22
22C0563-02	EP24_7.5	03/10/22
22C0563-03	DUP04_03092022	03/10/22
BC21964-BLK1	Blank	03/10/22
BC21964-DUP1	Duplicate	03/10/22
BC21964-MS1	Matrix Spike	03/10/22
BC21964-PS1	Post Spike	03/10/22
BC21964-SRM1	Reference	03/10/22

Batch ID: BC21997 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date

22C0563-04	FB04_03092022	03/11/22
BC21997-BLK1	Blank	03/11/22
BC21997-BS1	LCS	03/11/22
BC21997-MS1	Matrix Spike	03/11/22
BC21997-MSD1	Matrix Spike Dup	03/11/22

Batch ID: BC21999 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-01	EP23_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22
22C0563-03	DUP04_03092022	03/11/22
BC21999-BLK1	Blank	03/11/22
BC21999-BLK2	Blank	03/11/22
BC21999-BS1	LCS	03/11/22
BC21999-BS2	LCS	03/11/22

Batch ID: BC22013 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-03	DUP04_03092022	03/11/22
BC22013-BLK1	Blank	03/11/22
BC22013-DUP1	Duplicate	03/11/22
BC22013-MS1	Matrix Spike	03/11/22
BC22013-SRM1	Reference	03/11/22

Batch ID: BC22025 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22
BC22025-BLK1	Blank	03/11/22
BC22025-DUP1	Duplicate	03/11/22
BC22025-MS1	Matrix Spike	03/11/22
BC22025-SRM1	Reference	03/11/22

Batch ID: BC22034 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22
BC22034-BLK1	Blank	03/11/22
BC22034-BLK2	Blank	03/11/22
BC22034-BLK3	Blank	03/11/22
BC22034-BLK4	Blank	03/11/22

BC22034-BS1	LCS	03/11/22
BC22034-BSD1	LCS Dup	03/11/22

Batch ID: BC22037 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22
BC22037-BLK1	Blank	03/11/22
BC22037-DUP1	Duplicate	03/11/22
BC22037-DUP2	Duplicate	03/11/22
BC22037-MS1	Matrix Spike	03/11/22
BC22037-MS2	Matrix Spike	03/11/22
BC22037-SRM1	Reference	03/11/22

Batch ID: BC22043 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22

Batch ID: BC22044 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/11/22

Batch ID: BC22054 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-01	EP23_7.5	03/11/22
22C0563-02	EP24_7.5	03/11/22
22C0563-03	DUP04_03092022	03/11/22
BC22054-DUP1	Duplicate	03/11/22

Batch ID: BC22125 **Preparation Method:** Analysis Preparation **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-04	FB04_03092022	03/14/22
BC22125-BLK1	Blank	03/14/22
BC22125-BS1	LCS	03/14/22
BC22125-DUP1	Duplicate	03/14/22
BC22125-MS1	Matrix Spike	03/14/22

Batch ID: BC22135 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0563-02	EP24_7.5	03/14/22
BC22135-BLK1	Blank	03/14/22
BC22135-BLK2	Blank	03/14/22
BC22135-BS1	LCS	03/14/22
BC22135-BSD1	LCS Dup	03/14/22
BC22135-MS1	Matrix Spike	03/14/22
BC22135-MS2	Matrix Spike	03/14/22
BC22135-MSD1	Matrix Spike Dup	03/14/22
BC22135-MSD2	Matrix Spike Dup	03/14/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21919 - EPA 5030B											
Blank (BC21919-BLK1) Blank									Prepared & Analyzed: 03/10/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21919 - EPA 5030B											
Blank (BC21919-BLK1) Blank								Prepared & Analyzed: 03/10/2022			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.16*		*"*	*10.0*		*91.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.46*		*"*	*10.0*		*94.6*	*79-122*				
LCS (BC21919-BS1) LCS								Prepared & Analyzed: 03/10/2022			
1,1,1,2-Tetrachloroethane	8.33		ug/L	10.0		83.3	82-126				
1,1,1-Trichloroethane	9.76		"	10.0		97.6	78-136				
1,1,2,2-Tetrachloroethane	8.02		"	10.0		80.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.58		"	10.0		95.8	54-165				
1,1,2-Trichloroethane	7.96		"	10.0		79.6	82-123	Low Bias			
1,1-Dichloroethane	9.72		"	10.0		97.2	82-129				
1,1-Dichloroethylene	9.91		"	10.0		99.1	68-138				
1,2,3-Trichlorobenzene	8.25		"	10.0		82.5	76-136				
1,2,3-Trichloropropane	7.71		"	10.0		77.1	77-128				
1,2,4-Trichlorobenzene	8.33		"	10.0		83.3	76-137				
1,2,4-Trimethylbenzene	8.40		"	10.0		84.0	82-132				
1,2-Dibromo-3-chloropropane	7.47		"	10.0		74.7	45-147				
1,2-Dibromoethane	7.94		"	10.0		79.4	83-124	Low Bias			
1,2-Dichlorobenzene	8.23		"	10.0		82.3	79-123				
1,2-Dichloroethane	9.83		"	10.0		98.3	73-132				
1,2-Dichloropropane	8.30		"	10.0		83.0	78-126				
1,3,5-Trimethylbenzene	8.37		"	10.0		83.7	80-131				
1,3-Dichlorobenzene	8.26		"	10.0		82.6	86-122	Low Bias			
1,4-Dichlorobenzene	8.31		"	10.0		83.1	85-124	Low Bias			
1,4-Dioxane	144		"	210		68.3	10-349				
2-Butanone	9.23		"	10.0		92.3	49-152				
2-Hexanone	6.92		"	10.0		69.2	51-146				
4-Methyl-2-pentanone	7.51		"	10.0		75.1	57-145				
Acetone	6.09		"	10.0		60.9	14-150				
Acrolein	12.9		"	10.0		129	10-153				
Acrylonitrile	8.57		"	10.0		85.7	51-150				
Benzene	10.1		"	10.0		101	85-126				
Bromochloromethane	9.48		"	10.0		94.8	77-128				
Bromodichloromethane	8.15		"	10.0		81.5	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21919 - EPA 5030B											
LCS (BC21919-BS1) LCS								Prepared & Analyzed: 03/10/2022			
Bromoform	7.82		ug/L	10.0		78.2	78-133				
Bromomethane	6.97		"	10.0		69.7	43-168				
Carbon disulfide	10.7		"	10.0		107	68-146				
Carbon tetrachloride	9.89		"	10.0		98.9	77-141				
Chlorobenzene	9.13		"	10.0		91.3	88-120				
Chloroethane	9.51		"	10.0		95.1	65-136				
Chloroform	9.92		"	10.0		99.2	82-128				
Chloromethane	8.73		"	10.0		87.3	43-155				
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	83-129				
cis-1,3-Dichloropropylene	7.94		"	10.0		79.4	80-131	Low Bias			
Cyclohexane	8.53		"	10.0		85.3	63-149				
Dibromochloromethane	7.93		"	10.0		79.3	80-130	Low Bias			
Dibromomethane	7.72		"	10.0		77.2	72-134				
Dichlorodifluoromethane	7.70		"	10.0		77.0	44-144				
Ethyl Benzene	8.84		"	10.0		88.4	80-131				
Hexachlorobutadiene	8.05		"	10.0		80.5	67-146				
Isopropylbenzene	8.56		"	10.0		85.6	76-140				
Methyl acetate	9.02		"	10.0		90.2	51-139				
Methyl tert-butyl ether (MTBE)	9.50		"	10.0		95.0	76-135				
Methylcyclohexane	7.44		"	10.0		74.4	72-143				
Methylene chloride	8.94		"	10.0		89.4	55-137				
n-Butylbenzene	8.39		"	10.0		83.9	79-132				
n-Propylbenzene	8.47		"	10.0		84.7	78-133				
o-Xylene	8.81		"	10.0		88.1	78-130				
p- & m- Xylenes	18.6		"	20.0		93.2	77-133				
p-Isopropyltoluene	8.59		"	10.0		85.9	81-136				
sec-Butylbenzene	8.49		"	10.0		84.9	79-137				
Styrene	8.40		"	10.0		84.0	67-132				
tert-Butyl alcohol (TBA)	37.8		"	50.0		75.6	25-162				
tert-Butylbenzene	8.37		"	10.0		83.7	77-138				
Tetrachloroethylene	4.89		"	10.0		48.9	82-131	Low Bias			
Toluene	8.69		"	10.0		86.9	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	7.69		"	10.0		76.9	78-131	Low Bias			
Trichloroethylene	8.07		"	10.0		80.7	82-128	Low Bias			
Trichlorofluoromethane	9.98		"	10.0		99.8	67-139				
Vinyl Chloride	9.13		"	10.0		91.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.93*		*"*	*10.0*		*99.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.31*		*"*	*10.0*		*93.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.65*		*"*	*10.0*		*96.5*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21919 - EPA 5030B											
LCS Dup (BC21919-BSD1) LCS Dup								Prepared & Analyzed: 03/10/2022			
1,1,1,2-Tetrachloroethane	8.28		ug/L	10.0		82.8	82-126		0.602	30	
1,1,1-Trichloroethane	9.25		"	10.0		92.5	78-136		5.37	30	
1,1,2,2-Tetrachloroethane	8.12		"	10.0		81.2	76-129		1.24	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.99		"	10.0		89.9	54-165		6.35	30	
1,1,2-Trichloroethane	8.16		"	10.0		81.6	82-123	Low Bias	2.48	30	
1,1-Dichloroethane	9.35		"	10.0		93.5	82-129		3.88	30	
1,1-Dichloroethylene	9.35		"	10.0		93.5	68-138		5.82	30	
1,2,3-Trichlorobenzene	8.05		"	10.0		80.5	76-136		2.45	30	
1,2,3-Trichloropropane	7.75		"	10.0		77.5	77-128		0.517	30	
1,2,4-Trichlorobenzene	7.96		"	10.0		79.6	76-137		4.54	30	
1,2,4-Trimethylbenzene	7.63		"	10.0		76.3	82-132	Low Bias	9.61	30	
1,2-Dibromo-3-chloropropane	7.31		"	10.0		73.1	45-147		2.17	30	
1,2-Dibromoethane	8.28		"	10.0		82.8	83-124	Low Bias	4.19	30	
1,2-Dichlorobenzene	7.77		"	10.0		77.7	79-123	Low Bias	5.75	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		2.41	30	
1,2-Dichloropropane	8.08		"	10.0		80.8	78-126		2.69	30	
1,3,5-Trimethylbenzene	7.54		"	10.0		75.4	80-131	Low Bias	10.4	30	
1,3-Dichlorobenzene	7.70		"	10.0		77.0	86-122	Low Bias	7.02	30	
1,4-Dichlorobenzene	7.80		"	10.0		78.0	85-124	Low Bias	6.33	30	
1,4-Dioxane	159		"	210		75.5	10-349		9.98	30	
2-Butanone	9.81		"	10.0		98.1	49-152		6.09	30	
2-Hexanone	7.92		"	10.0		79.2	51-146		13.5	30	
4-Methyl-2-pentanone	8.26		"	10.0		82.6	57-145		9.51	30	
Acetone	6.17		"	10.0		61.7	14-150		1.31	30	
Acrolein	14.5		"	10.0		145	10-153		11.6	30	
Acrylonitrile	9.02		"	10.0		90.2	51-150		5.12	30	
Benzene	9.61		"	10.0		96.1	85-126		5.27	30	
Bromochloromethane	9.67		"	10.0		96.7	77-128		1.98	30	
Bromodichloromethane	8.05		"	10.0		80.5	79-128		1.23	30	
Bromoform	8.01		"	10.0		80.1	78-133		2.40	30	
Bromomethane	6.59		"	10.0		65.9	43-168		5.60	30	
Carbon disulfide	9.93		"	10.0		99.3	68-146		7.84	30	
Carbon tetrachloride	9.30		"	10.0		93.0	77-141		6.15	30	
Chlorobenzene	8.80		"	10.0		88.0	88-120		3.68	30	
Chloroethane	8.84		"	10.0		88.4	65-136		7.30	30	
Chloroform	9.68		"	10.0		96.8	82-128		2.45	30	
Chloromethane	8.27		"	10.0		82.7	43-155		5.41	30	
cis-1,2-Dichloroethylene	9.50		"	10.0		95.0	83-129		4.12	30	
cis-1,3-Dichloropropylene	7.78		"	10.0		77.8	80-131	Low Bias	2.04	30	
Cyclohexane	7.91		"	10.0		79.1	63-149		7.54	30	
Dibromochloromethane	8.02		"	10.0		80.2	80-130		1.13	30	
Dibromomethane	7.98		"	10.0		79.8	72-134		3.31	30	
Dichlorodifluoromethane	7.09		"	10.0		70.9	44-144		8.25	30	
Ethyl Benzene	8.47		"	10.0		84.7	80-131		4.27	30	
Hexachlorobutadiene	7.38		"	10.0		73.8	67-146		8.68	30	
Isopropylbenzene	7.77		"	10.0		77.7	76-140		9.68	30	
Methyl acetate	9.71		"	10.0		97.1	51-139		7.37	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		5.92	30	
Methylcyclohexane	6.95		"	10.0		69.5	72-143	Low Bias	6.81	30	
Methylene chloride	8.74		"	10.0		87.4	55-137		2.26	30	
n-Butylbenzene	7.55		"	10.0		75.5	79-132	Low Bias	10.5	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21919 - EPA 5030B											
LCS Dup (BC21919-BSD1) LCS Dup									Prepared & Analyzed: 03/10/2022		
n-Propylbenzene	7.65		ug/L	10.0		76.5	78-133	Low Bias	10.2	30	
o-Xylene	8.51		"	10.0		85.1	78-130		3.46	30	
p- & m- Xylenes	17.7		"	20.0		88.6	77-133		5.06	30	
p-Isopropyltoluene	7.72		"	10.0		77.2	81-136	Low Bias	10.7	30	
sec-Butylbenzene	7.64		"	10.0		76.4	79-137	Low Bias	10.5	30	
Styrene	8.16		"	10.0		81.6	67-132		2.90	30	
tert-Butyl alcohol (TBA)	38.1		"	50.0		76.1	25-162		0.633	30	
tert-Butylbenzene	7.61		"	10.0		76.1	77-138	Low Bias	9.51	30	
Tetrachloroethylene	4.61		"	10.0		46.1	82-131	Low Bias	5.89	30	
Toluene	8.31		"	10.0		83.1	80-127		4.47	30	
trans-1,2-Dichloroethylene	9.49		"	10.0		94.9	80-132		5.23	30	
trans-1,3-Dichloropropylene	7.79		"	10.0		77.9	78-131	Low Bias	1.29	30	
Trichloroethylene	7.51		"	10.0		75.1	82-128	Low Bias	7.19	30	
Trichlorofluoromethane	9.25		"	10.0		92.5	67-139		7.59	30	
Vinyl Chloride	8.49		"	10.0		84.9	58-145		7.26	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.23*		*"*	*10.0*		*92.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.41*		*"*	*10.0*		*94.1*	*79-122*				
Batch BC21935 - EPA 5030B											
Blank (BC21935-BLK1) Blank									Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	1.09	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21935 - EPA 5030B											
Blank (BC21935-BLK1) Blank									Prepared & Analyzed: 03/14/2022		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	0.480	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21935 - EPA 5030B											
LCS (BC21935-BS1) LCS							Prepared & Analyzed: 03/14/2022				
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126				
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	9.92		"	10.0		99.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	54-165				
1,1,2-Trichloroethane	8.31		"	10.0		83.1	82-123				
1,1-Dichloroethane	11.7		"	10.0		117	82-129				
1,1-Dichloroethylene	13.2		"	10.0		132	68-138				
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8	76-136				
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128				
1,2,4-Trichlorobenzene	8.04		"	10.0		80.4	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	8.08		"	10.0		80.8	45-147				
1,2-Dibromoethane	8.29		"	10.0		82.9	83-124	Low Bias			
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	11.0		"	10.0		110	73-132				
1,2-Dichloropropane	11.0		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131				
1,3-Dichlorobenzene	9.50		"	10.0		95.0	86-122				
1,4-Dichlorobenzene	9.63		"	10.0		96.3	85-124				
1,4-Dioxane	213		"	210		101	10-349				
2-Butanone	9.51		"	10.0		95.1	49-152				
2-Hexanone	8.88		"	10.0		88.8	51-146				
4-Methyl-2-pentanone	8.96		"	10.0		89.6	57-145				
Acetone	14.2		"	10.0		142	14-150				
Acrolein	6.67		"	10.0		66.7	10-153				
Acrylonitrile	9.89		"	10.0		98.9	51-150				
Benzene	11.1		"	10.0		111	85-126				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	9.51		"	10.0		95.1	79-128				
Bromoform	8.46		"	10.0		84.6	78-133				
Bromomethane	4.62		"	10.0		46.2	43-168				
Carbon disulfide	11.1		"	10.0		111	68-146				
Carbon tetrachloride	11.5		"	10.0		115	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	13.2		"	10.0		132	65-136				
Chloroform	11.2		"	10.0		112	82-128				
Chloromethane	18.6		"	10.0		186	43-155	High Bias			
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	8.82		"	10.0		88.2	80-131				
Cyclohexane	9.43		"	10.0		94.3	63-149				
Dibromochloromethane	8.25		"	10.0		82.5	80-130				
Dibromomethane	8.72		"	10.0		87.2	72-134				
Dichlorodifluoromethane	22.2		"	10.0		222	44-144	High Bias			
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	8.92		"	10.0		89.2	67-146				
Isopropylbenzene	11.8		"	10.0		118	76-140				
Methyl acetate	10.0		"	10.0		100	51-139				
Methyl tert-butyl ether (MTBE)	9.56		"	10.0		95.6	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	13.9		"	10.0		139	55-137	High Bias			
n-Butylbenzene	10.1		"	10.0		101	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21935 - EPA 5030B											
LCS (BC21935-BS1) LCS								Prepared & Analyzed: 03/14/2022			
n-Propylbenzene	11.8		ug/L	10.0		118	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	18.5		"	20.0		92.5	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	9.42		"	10.0		94.2	67-132				
tert-Butyl alcohol (TBA)	57.7		"	50.0		115	25-162				
tert-Butylbenzene	9.12		"	10.0		91.2	77-138				
Tetrachloroethylene	9.81		"	10.0		98.1	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132				
trans-1,3-Dichloropropylene	8.22		"	10.0		82.2	78-131				
Trichloroethylene	9.86		"	10.0		98.6	82-128				
Trichlorofluoromethane	15.0		"	10.0		150	67-139	High Bias			
Vinyl Chloride	17.6		"	10.0		176	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.62*		*"*	*10.0*		*96.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
LCS Dup (BC21935-BSD1) LCS Dup								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	9.24		ug/L	10.0		92.4	82-126		2.14	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		3.75	30	
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	76-129		4.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165		4.07	30	
1,1,2-Trichloroethane	8.33		"	10.0		83.3	82-123		0.240	30	
1,1-Dichloroethane	11.3		"	10.0		113	82-129		3.13	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		5.13	30	
1,2,3-Trichlorobenzene	7.46		"	10.0		74.6	76-136	Low Bias	4.20	30	
1,2,3-Trichloropropane	9.20		"	10.0		92.0	77-128		4.15	30	
1,2,4-Trichlorobenzene	7.58		"	10.0		75.8	76-137	Low Bias	5.89	30	
1,2,4-Trimethylbenzene	9.84		"	10.0		98.4	82-132		8.93	30	
1,2-Dibromo-3-chloropropane	8.43		"	10.0		84.3	45-147		4.24	30	
1,2-Dibromoethane	8.34		"	10.0		83.4	83-124		0.601	30	
1,2-Dichlorobenzene	9.44		"	10.0		94.4	79-123		6.46	30	
1,2-Dichloroethane	11.0		"	10.0		110	73-132		0.454	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		4.85	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		9.05	30	
1,3-Dichlorobenzene	8.84		"	10.0		88.4	86-122		7.20	30	
1,4-Dichlorobenzene	8.98		"	10.0		89.8	85-124		6.99	30	
1,4-Dioxane	214		"	210		102	10-349		0.483	30	
2-Butanone	9.90		"	10.0		99.0	49-152		4.02	30	
2-Hexanone	9.00		"	10.0		90.0	51-146		1.34	30	
4-Methyl-2-pentanone	9.22		"	10.0		92.2	57-145		2.86	30	
Acetone	13.6		"	10.0		136	14-150		3.88	30	
Acrolein	6.93		"	10.0		69.3	10-153		3.82	30	
Acrylonitrile	10.4		"	10.0		104	51-150		4.74	30	
Benzene	10.8		"	10.0		108	85-126		2.65	30	
Bromochloromethane	11.2		"	10.0		112	77-128		0.536	30	
Bromodichloromethane	9.15		"	10.0		91.5	79-128		3.86	30	
Bromoform	8.56		"	10.0		85.6	78-133		1.18	30	
Bromomethane	4.32		"	10.0		43.2	43-168		6.71	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21935 - EPA 5030B											
LCS Dup (BC21935-BSD1) LCS Dup								Prepared & Analyzed: 03/14/2022			
Carbon disulfide	10.6		ug/L	10.0		106	68-146		4.63	30	
Carbon tetrachloride	11.0		"	10.0		110	77-141		4.01	30	
Chlorobenzene	9.71		"	10.0		97.1	88-120		3.84	30	
Chloroethane	12.5		"	10.0		125	65-136		5.37	30	
Chloroform	11.0		"	10.0		110	82-128		2.26	30	
Chloromethane	17.7		"	10.0		177	43-155	High Bias	4.63	30	
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129		3.48	30	
cis-1,3-Dichloropropylene	8.61		"	10.0		86.1	80-131		2.41	30	
Cyclohexane	9.03		"	10.0		90.3	63-149		4.33	30	
Dibromochloromethane	8.21		"	10.0		82.1	80-130		0.486	30	
Dibromomethane	8.58		"	10.0		85.8	72-134		1.62	30	
Dichlorodifluoromethane	20.0		"	10.0		200	44-144	High Bias	10.4	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		5.22	30	
Hexachlorobutadiene	8.87		"	10.0		88.7	67-146		0.562	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		10.7	30	
Methyl acetate	10.1		"	10.0		101	51-139		0.796	30	
Methyl tert-butyl ether (MTBE)	9.74		"	10.0		97.4	76-135		1.87	30	
Methylcyclohexane	10.1		"	10.0		101	72-143		5.66	30	
Methylene chloride	13.7		"	10.0		137	55-137		1.23	30	
n-Butylbenzene	9.39		"	10.0		93.9	79-132		7.09	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		10.4	30	
o-Xylene	10.1		"	10.0		101	78-130		4.46	30	
p- & m- Xylenes	17.5		"	20.0		87.6	77-133		5.44	30	
p-Isopropyltoluene	9.96		"	10.0		99.6	81-136		8.18	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		9.12	30	
Styrene	9.17		"	10.0		91.7	67-132		2.69	30	
tert-Butyl alcohol (TBA)	55.1		"	50.0		110	25-162		4.66	30	
tert-Butylbenzene	8.27		"	10.0		82.7	77-138		9.78	30	
Tetrachloroethylene	9.34		"	10.0		93.4	82-131		4.91	30	
Toluene	9.72		"	10.0		97.2	80-127		5.31	30	
trans-1,2-Dichloroethylene	11.5		"	10.0		115	80-132		4.66	30	
trans-1,3-Dichloropropylene	8.08		"	10.0		80.8	78-131		1.72	30	
Trichloroethylene	9.19		"	10.0		91.9	82-128		7.03	30	
Trichlorofluoromethane	14.1		"	10.0		141	67-139	High Bias	6.12	30	
Vinyl Chloride	16.3		"	10.0		163	58-145	High Bias	7.91	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.42*		*"*	*10.0*		*94.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK1) Blank									Prepared & Analyzed: 03/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

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

Batch BC22034 - EPA 5035A

Blank (BC22034-BLK1) Blank — Prepared & Analyzed: 03/11/2022

n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				

Blank (BC22034-BLK2) HB22C0563 — Prepared & Analyzed: 03/11/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK2) HB22C0563								Prepared & Analyzed: 03/11/2022			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK3) HB22C0369									Prepared & Analyzed: 03/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK3) HB22C0369								Prepared & Analyzed: 03/11/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				
Blank (BC22034-BLK4) HB22C0623								Prepared & Analyzed: 03/11/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK4) HB22C0623									Prepared & Analyzed: 03/11/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS (BC22034-BS1) LCS							Prepared & Analyzed: 03/11/2022				
1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.4	75-129				
1,1,1-Trichloroethane	45.1		"	50.0		90.2	71-137				
1,1,2,2-Tetrachloroethane	49.2		"	50.0		98.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.3		"	50.0		84.6	58-146				
1,1,2-Trichloroethane	49.8		"	50.0		99.6	83-123				
1,1-Dichloroethane	45.2		"	50.0		90.3	75-130				
1,1-Dichloroethylene	41.0		"	50.0		81.9	64-137				
1,2,3-Trichlorobenzene	48.6		"	50.0		97.3	81-140				
1,2,3-Trichloropropane	48.7		"	50.0		97.3	81-126				
1,2,4-Trichlorobenzene	48.4		"	50.0		96.7	80-141				
1,2,4-Trimethylbenzene	45.6		"	50.0		91.2	84-125				
1,2-Dibromo-3-chloropropane	48.2		"	50.0		96.4	74-142				
1,2-Dibromoethane	50.8		"	50.0		102	86-123				
1,2-Dichlorobenzene	47.7		"	50.0		95.4	85-122				
1,2-Dichloroethane	49.1		"	50.0		98.1	71-133				
1,2-Dichloropropane	48.9		"	50.0		97.8	81-122				
1,3,5-Trimethylbenzene	45.1		"	50.0		90.2	82-126				
1,3-Dichlorobenzene	46.8		"	50.0		93.5	84-124				
1,4-Dichlorobenzene	47.5		"	50.0		94.9	84-124				
1,4-Dioxane	979		"	1050		93.2	10-228				
2-Butanone	43.9		"	50.0		87.9	58-147				
2-Hexanone	48.4		"	50.0		96.8	70-139				
4-Methyl-2-pentanone	51.4		"	50.0		103	72-132				
Acetone	36.1		"	50.0		72.2	36-155				
Acrolein	38.7		"	50.0		77.3	10-238				
Acrylonitrile	44.2		"	50.0		88.3	66-141				
Benzene	46.2		"	50.0		92.5	77-127				
Bromochloromethane	47.6		"	50.0		95.1	74-129				
Bromodichloromethane	47.7		"	50.0		95.4	81-124				
Bromoform	52.0		"	50.0		104	80-136				
Bromomethane	39.9		"	50.0		79.8	32-177				
Carbon disulfide	40.2		"	50.0		80.5	10-136				
Carbon tetrachloride	45.2		"	50.0		90.3	66-143				
Chlorobenzene	49.7		"	50.0		99.4	86-120				
Chloroethane	50.2		"	50.0		100	51-142				
Chloroform	47.6		"	50.0		95.2	76-131				
Chloromethane	36.3		"	50.0		72.5	49-132				
cis-1,2-Dichloroethylene	45.6		"	50.0		91.1	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.0	81-129				
Cyclohexane	41.8		"	50.0		83.6	70-130				
Dibromochloromethane	49.6		"	50.0		99.3	10-200				
Dibromomethane	47.5		"	50.0		95.1	83-124				
Dichlorodifluoromethane	29.0		"	50.0		57.9	28-158				
Ethyl Benzene	47.0		"	50.0		94.0	84-125				
Hexachlorobutadiene	46.7		"	50.0		93.4	83-133				
Isopropylbenzene	47.0		"	50.0		94.0	81-127				
Methyl acetate	40.7		"	50.0		81.4	41-143				
Methyl tert-butyl ether (MTBE)	52.9		"	50.0		106	74-131				
Methylcyclohexane	43.3		"	50.0		86.6	70-130				
Methylene chloride	45.9		"	50.0		91.8	57-141				
n-Butylbenzene	45.3		"	50.0		90.7	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS (BC22034-BS1) LCS								Prepared & Analyzed: 03/11/2022			
n-Propylbenzene	45.4		ug/L	50.0		90.9	74-136				
o-Xylene	48.7		"	50.0		97.3	83-123				
p- & m- Xylenes	95.3		"	100		95.3	82-128				
p-Isopropyltoluene	46.7		"	50.0		93.3	85-125				
sec-Butylbenzene	45.0		"	50.0		90.0	83-125				
Styrene	46.8		"	50.0		93.6	86-126				
tert-Butyl alcohol (TBA)	276		"	250		110	70-130				
tert-Butylbenzene	46.5		"	50.0		92.9	80-127				
Tetrachloroethylene	43.4		"	50.0		86.7	80-129				
Toluene	46.0		"	50.0		92.1	85-121				
trans-1,2-Dichloroethylene	44.1		"	50.0		88.1	72-132				
trans-1,3-Dichloropropylene	49.2		"	50.0		98.3	78-132				
Trichloroethylene	45.8		"	50.0		91.7	84-123				
Trichlorofluoromethane	42.7		"	50.0		85.4	62-140				
Vinyl Chloride	40.6		"	50.0		81.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				
LCS Dup (BC22034-BSD1) LCS Dup								Prepared & Analyzed: 03/11/2022			
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.1	75-129		4.61	30	
1,1,1-Trichloroethane	43.8		"	50.0		87.6	71-137		2.88	30	
1,1,2,2-Tetrachloroethane	47.5		"	50.0		95.0	79-129		3.49	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.3		"	50.0		80.7	58-146		4.82	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.0	83-123		5.85	30	
1,1-Dichloroethane	43.5		"	50.0		86.9	75-130		3.84	30	
1,1-Dichloroethylene	40.2		"	50.0		80.5	64-137		1.82	30	
1,2,3-Trichlorobenzene	47.4		"	50.0		94.8	81-140		2.56	30	
1,2,3-Trichloropropane	46.9		"	50.0		93.9	81-126		3.62	30	
1,2,4-Trichlorobenzene	47.7		"	50.0		95.3	80-141		1.48	30	
1,2,4-Trimethylbenzene	43.9		"	50.0		87.8	84-125		3.80	30	
1,2-Dibromo-3-chloropropane	46.5		"	50.0		93.1	74-142		3.53	30	
1,2-Dibromoethane	48.5		"	50.0		96.9	86-123		4.62	30	
1,2-Dichlorobenzene	45.8		"	50.0		91.6	85-122		4.02	30	
1,2-Dichloroethane	47.1		"	50.0		94.1	71-133		4.16	30	
1,2-Dichloropropane	45.9		"	50.0		91.9	81-122		6.28	30	
1,3,5-Trimethylbenzene	43.7		"	50.0		87.4	82-126		3.20	30	
1,3-Dichlorobenzene	44.9		"	50.0		89.8	84-124		4.08	30	
1,4-Dichlorobenzene	45.3		"	50.0		90.6	84-124		4.66	30	
1,4-Dioxane	956		"	1050		91.0	10-228		2.39	30	
2-Butanone	43.6		"	50.0		87.1	58-147		0.846	30	
2-Hexanone	46.3		"	50.0		92.5	70-139		4.54	30	
4-Methyl-2-pentanone	48.7		"	50.0		97.4	72-132		5.36	30	
Acetone	34.7		"	50.0		69.5	36-155		3.90	30	
Acrolein	38.3		"	50.0		76.5	10-238		1.04	30	
Acrylonitrile	44.0		"	50.0		88.0	66-141		0.318	30	
Benzene	44.6		"	50.0		89.3	77-127		3.52	30	
Bromochloromethane	46.2		"	50.0		92.5	74-129		2.77	30	
Bromodichloromethane	45.7		"	50.0		91.3	81-124		4.41	30	
Bromoform	50.2		"	50.0		100	80-136		3.46	30	
Bromomethane	39.3		"	50.0		78.5	32-177		1.59	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS Dup (BC22034-BSD1) LCS Dup							Prepared & Analyzed: 03/11/2022				
Carbon disulfide	38.6		ug/L	50.0		77.1	10-136		4.29	30	
Carbon tetrachloride	43.6		"	50.0		87.1	66-143		3.61	30	
Chlorobenzene	47.3		"	50.0		94.6	86-120		4.95	30	
Chloroethane	48.8		"	50.0		97.7	51-142		2.77	30	
Chloroform	46.5		"	50.0		93.1	76-131		2.29	30	
Chloromethane	36.0		"	50.0		72.1	49-132		0.609	30	
cis-1,2-Dichloroethylene	44.7		"	50.0		89.4	74-132		1.95	30	
cis-1,3-Dichloropropylene	46.9		"	50.0		93.8	81-129		3.29	30	
Cyclohexane	40.0		"	50.0		80.0	70-130		4.40	30	
Dibromochloromethane	47.8		"	50.0		95.5	10-200		3.86	30	
Dibromomethane	45.9		"	50.0		91.9	83-124		3.42	30	
Dichlorodifluoromethane	28.2		"	50.0		56.5	28-158		2.59	30	
Ethyl Benzene	44.6		"	50.0		89.3	84-125		5.17	30	
Hexachlorobutadiene	46.2		"	50.0		92.4	83-133		1.05	30	
Isopropylbenzene	45.1		"	50.0		90.3	81-127		4.08	30	
Methyl acetate	39.4		"	50.0		78.7	41-143		3.27	30	
Methyl tert-butyl ether (MTBE)	51.3		"	50.0		103	74-131		3.09	30	
Methylcyclohexane	41.5		"	50.0		83.0	70-130		4.18	30	
Methylene chloride	43.9		"	50.0		87.9	57-141		4.34	30	
n-Butylbenzene	42.9		"	50.0		85.8	80-130		5.49	30	
n-Propylbenzene	43.6		"	50.0		87.3	74-136		4.02	30	
o-Xylene	47.0		"	50.0		94.1	83-123		3.36	30	
p- & m- Xylenes	91.2		"	100		91.2	82-128		4.34	30	
p-Isopropyltoluene	44.4		"	50.0		88.9	85-125		4.87	30	
sec-Butylbenzene	43.7		"	50.0		87.5	83-125		2.84	30	
Styrene	44.9		"	50.0		89.8	86-126		4.08	30	
tert-Butyl alcohol (TBA)	272		"	250		109	70-130		1.31	30	
tert-Butylbenzene	44.8		"	50.0		89.5	80-127		3.75	30	
Tetrachloroethylene	41.7		"	50.0		83.3	80-129		3.95	30	
Toluene	43.8		"	50.0		87.6	85-121		5.05	30	
trans-1,2-Dichloroethylene	42.7		"	50.0		85.4	72-132		3.11	30	
trans-1,3-Dichloropropylene	46.8		"	50.0		93.5	78-132		5.01	30	
Trichloroethylene	43.6		"	50.0		87.1	84-123		5.12	30	
Trichlorofluoromethane	41.2		"	50.0		82.4	62-140		3.55	30	
Vinyl Chloride	38.6		"	50.0		77.1	52-130		5.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.4*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Blank (BC22135-BLK1) Blank									Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Blank (BC22135-BLK1) Blank								Prepared & Analyzed: 03/14/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.3*		*"*	*50.0*		*96.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.6*	*76-130*				
Blank (BC22135-BLK2) HB22C0328								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Blank (BC22135-BLK2) HB22C0328								Prepared & Analyzed: 03/14/2022			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*ug/L*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS (BC22135-BS1) LCS								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	45.3		ug/L	50.0		90.6	75-129				
1,1,1-Trichloroethane	43.0		"	50.0		86.1	71-137				
1,1,2,2-Tetrachloroethane	44.7		"	50.0		89.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.8		"	50.0		77.7	58-146				
1,1,2-Trichloroethane	45.4		"	50.0		90.8	83-123				
1,1-Dichloroethane	42.9		"	50.0		85.8	75-130				
1,1-Dichloroethylene	38.9		"	50.0		77.8	64-137				
1,2,3-Trichlorobenzene	43.7		"	50.0		87.3	81-140				
1,2,3-Trichloropropane	43.3		"	50.0		86.7	81-126				
1,2,4-Trichlorobenzene	43.6		"	50.0		87.1	80-141				
1,2,4-Trimethylbenzene	41.6		"	50.0		83.1	84-125	Low Bias			
1,2-Dibromo-3-chloropropane	43.3		"	50.0		86.6	74-142				
1,2-Dibromoethane	46.2		"	50.0		92.4	86-123				
1,2-Dichlorobenzene	43.2		"	50.0		86.3	85-122				
1,2-Dichloroethane	46.0		"	50.0		92.0	71-133				
1,2-Dichloropropane	45.2		"	50.0		90.3	81-122				
1,3,5-Trimethylbenzene	41.3		"	50.0		82.6	82-126				
1,3-Dichlorobenzene	42.5		"	50.0		84.9	84-124				
1,4-Dichlorobenzene	43.1		"	50.0		86.2	84-124				
1,4-Dioxane	892		"	1050		85.0	10-228				
2-Butanone	38.0		"	50.0		76.0	58-147				
2-Hexanone	43.0		"	50.0		85.9	70-139				
4-Methyl-2-pentanone	46.5		"	50.0		93.1	72-132				
Acetone	33.8		"	50.0		67.7	36-155				
Acrolein	35.6		"	50.0		71.2	10-238				
Acrylonitrile	41.7		"	50.0		83.5	66-141				
Benzene	43.5		"	50.0		87.0	77-127				
Bromochloromethane	46.1		"	50.0		92.1	74-129				
Bromodichloromethane	45.2		"	50.0		90.5	81-124				
Bromoform	50.2		"	50.0		100	80-136				
Bromomethane	41.9		"	50.0		83.7	32-177				
Carbon disulfide	37.1		"	50.0		74.3	10-136				
Carbon tetrachloride	44.1		"	50.0		88.3	66-143				
Chlorobenzene	46.0		"	50.0		91.9	86-120				
Chloroethane	51.1		"	50.0		102	51-142				
Chloroform	45.1		"	50.0		90.1	76-131				
Chloromethane	34.2		"	50.0		68.4	49-132				
cis-1,2-Dichloroethylene	43.3		"	50.0		86.5	74-132				
cis-1,3-Dichloropropylene	46.3		"	50.0		92.6	81-129				
Cyclohexane	38.9		"	50.0		77.8	70-130				
Dibromochloromethane	46.8		"	50.0		93.6	10-200				
Dibromomethane	44.6		"	50.0		89.1	83-124				
Dichlorodifluoromethane	23.8		"	50.0		47.6	28-158				
Ethyl Benzene	43.5		"	50.0		87.0	84-125				
Hexachlorobutadiene	41.9		"	50.0		83.8	83-133				
Isopropylbenzene	42.7		"	50.0		85.4	81-127				
Methyl acetate	38.0		"	50.0		76.0	41-143				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131				
Methylcyclohexane	39.3		"	50.0		78.6	70-130				
Methylene chloride	42.7		"	50.0		85.4	57-141				
n-Butylbenzene	41.2		"	50.0		82.4	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS (BC22135-BS1) LCS								Prepared & Analyzed: 03/14/2022			
n-Propylbenzene	41.2		ug/L	50.0		82.4	74-136				
o-Xylene	45.2		"	50.0		90.5	83-123				
p- & m- Xylenes	88.8		"	100		88.8	82-128				
p-Isopropyltoluene	42.4		"	50.0		84.7	85-125	Low Bias			
sec-Butylbenzene	41.6		"	50.0		83.1	83-125				
Styrene	43.2		"	50.0		86.3	86-126				
tert-Butyl alcohol (TBA)	281		"	250		112	70-130				
tert-Butylbenzene	42.3		"	50.0		84.6	80-127				
Tetrachloroethylene	39.2		"	50.0		78.4	80-129	Low Bias			
Toluene	42.6		"	50.0		85.1	85-121				
trans-1,2-Dichloroethylene	41.4		"	50.0		82.9	72-132				
trans-1,3-Dichloropropylene	48.1		"	50.0		96.2	78-132				
Trichloroethylene	42.8		"	50.0		85.6	84-123				
Trichlorofluoromethane	44.8		"	50.0		89.6	62-140				
Vinyl Chloride	39.1		"	50.0		78.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.5*	*76-130*				
LCS Dup (BC22135-BSD1) LCS Dup								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	53.1		ug/L	50.0		106	75-129		15.9	30	
1,1,1-Trichloroethane	55.4		"	50.0		111	71-137		25.2	30	
1,1,2,2-Tetrachloroethane	51.3		"	50.0		103	79-129		13.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.5		"	50.0		109	58-146		33.6	30	Non-dir.
1,1,2-Trichloroethane	51.5		"	50.0		103	83-123		12.6	30	
1,1-Dichloroethane	54.2		"	50.0		108	75-130		23.3	30	
1,1-Dichloroethylene	53.1		"	50.0		106	64-137		31.0	30	Non-dir.
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140		13.7	30	
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126		16.0	30	
1,2,4-Trichlorobenzene	50.9		"	50.0		102	80-141		15.5	30	
1,2,4-Trimethylbenzene	50.5		"	50.0		101	84-125		19.4	30	
1,2-Dibromo-3-chloropropane	51.5		"	50.0		103	74-142		17.3	30	
1,2-Dibromoethane	53.2		"	50.0		106	86-123		14.1	30	
1,2-Dichlorobenzene	50.5		"	50.0		101	85-122		15.7	30	
1,2-Dichloroethane	53.7		"	50.0		107	71-133		15.5	30	
1,2-Dichloropropane	53.4		"	50.0		107	81-122		16.8	30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		19.6	30	
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124		17.6	30	
1,4-Dichlorobenzene	50.5		"	50.0		101	84-124		15.9	30	
1,4-Dioxane	1100		"	1050		105	10-228		20.7	30	
2-Butanone	49.7		"	50.0		99.5	58-147		26.7	30	
2-Hexanone	50.1		"	50.0		100	70-139		15.4	30	
4-Methyl-2-pentanone	53.7		"	50.0		107	72-132		14.3	30	
Acetone	35.6		"	50.0		71.1	36-155		4.96	30	
Acrolein	41.2		"	50.0		82.5	10-238		14.7	30	
Acrylonitrile	53.2		"	50.0		106	66-141		24.2	30	
Benzene	54.1		"	50.0		108	77-127		21.7	30	
Bromochloromethane	54.1		"	50.0		108	74-129		16.0	30	
Bromodichloromethane	53.3		"	50.0		107	81-124		16.3	30	
Bromoform	56.5		"	50.0		113	80-136		11.9	30	
Bromomethane	68.2		"	50.0		136	32-177		47.8	30	Non-dir.

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS Dup (BC22135-BSD1) LCS Dup							Prepared & Analyzed: 03/14/2022				
Carbon disulfide	55.3		ug/L	50.0		111	10-136		39.3	30	Non-dir.
Carbon tetrachloride	57.0		"	50.0		114	66-143		25.3	30	
Chlorobenzene	54.6		"	50.0		109	86-120		17.1	30	
Chloroethane	70.5		"	50.0		141	51-142		32.0	30	Non-dir.
Chloroform	55.0		"	50.0		110	76-131		19.9	30	
Chloromethane	61.0		"	50.0		122	49-132		56.3	30	Non-dir.
cis-1,2-Dichloroethylene	54.6		"	50.0		109	74-132		23.1	30	
cis-1,3-Dichloropropylene	53.5		"	50.0		107	81-129		14.4	30	
Cyclohexane	50.6		"	50.0		101	70-130		26.1	30	
Dibromochloromethane	53.5		"	50.0		107	10-200		13.3	30	
Dibromomethane	51.6		"	50.0		103	83-124		14.6	30	
Dichlorodifluoromethane	73.0		"	50.0		146	28-158		102	30	Non-dir.
Ethyl Benzene	52.8		"	50.0		106	84-125		19.4	30	
Hexachlorobutadiene	51.1		"	50.0		102	83-133		19.8	30	
Isopropylbenzene	53.0		"	50.0		106	81-127		21.5	30	
Methyl acetate	46.9		"	50.0		93.7	41-143		20.9	30	
Methyl tert-butyl ether (MTBE)	55.0		"	50.0		110	74-131		9.21	30	
Methylcyclohexane	50.4		"	50.0		101	70-130		24.8	30	
Methylene chloride	52.8		"	50.0		106	57-141		21.2	30	
n-Butylbenzene	50.8		"	50.0		102	80-130		20.9	30	
n-Propylbenzene	51.3		"	50.0		103	74-136		21.8	30	
o-Xylene	53.8		"	50.0		108	83-123		17.2	30	
p- & m- Xylenes	107		"	100		107	82-128		18.8	30	
p-Isopropyltoluene	52.2		"	50.0		104	85-125		20.8	30	
sec-Butylbenzene	51.1		"	50.0		102	83-125		20.5	30	
Styrene	51.1		"	50.0		102	86-126		16.9	30	
tert-Butyl alcohol (TBA)	330		"	250		132	70-130	High Bias	16.1	30	
tert-Butylbenzene	52.0		"	50.0		104	80-127		20.6	30	
Tetrachloroethylene	49.0		"	50.0		98.1	80-129		22.3	30	
Toluene	51.9		"	50.0		104	85-121		19.8	30	
trans-1,2-Dichloroethylene	54.3		"	50.0		109	72-132		26.8	30	
trans-1,3-Dichloropropylene	55.3		"	50.0		111	78-132		13.9	30	
Trichloroethylene	52.8		"	50.0		106	84-123		20.9	30	
Trichlorofluoromethane	65.8		"	50.0		132	62-140		38.0	30	Non-dir.
Vinyl Chloride	64.7		"	50.0		129	52-130		49.4	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*"*	*50.0*		*99.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS1) Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)							Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	38.7		ug/L	50.0	0.00	77.4	15-161				
1,1,1-Trichloroethane	40.2		"	50.0	0.00	80.4	42-145				
1,1,2,2-Tetrachloroethane	38.6		"	50.0	0.00	77.3	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.7		"	50.0	0.00	77.3	11-160				
1,1,2-Trichloroethane	41.4		"	50.0	0.00	82.9	44-145				
1,1-Dichloroethane	41.1		"	50.0	0.00	82.3	46-142				
1,1-Dichloroethylene	37.8		"	50.0	0.00	75.6	30-153				
1,2,3-Trichlorobenzene	18.3		"	50.0	0.00	36.6	10-157				
1,2,3-Trichloropropane	38.2		"	50.0	0.00	76.4	38-155				
1,2,4-Trichlorobenzene	17.8		"	50.0	0.00	35.7	10-151				
1,2,4-Trimethylbenzene	28.9		"	50.0	0.00	57.7	10-170				
1,2-Dibromo-3-chloropropane	33.7		"	50.0	0.00	67.5	36-138				
1,2-Dibromoethane	38.4		"	50.0	0.00	76.7	40-142				
1,2-Dichlorobenzene	28.4		"	50.0	0.00	56.7	10-147				
1,2-Dichloroethane	42.1		"	50.0	0.00	84.3	48-133				
1,2-Dichloropropane	41.6		"	50.0	0.00	83.1	47-141				
1,3,5-Trimethylbenzene	28.9		"	50.0	0.00	57.8	10-150				
1,3-Dichlorobenzene	26.0		"	50.0	0.00	52.1	10-144				
1,4-Dichlorobenzene	25.6		"	50.0	0.00	51.2	10-160				
1,4-Dioxane	836		"	1050	0.00	79.6	10-191				
2-Butanone	40.2		"	50.0	0.00	80.4	10-189				
2-Hexanone	37.4		"	50.0	0.00	74.8	10-181				
4-Methyl-2-pentanone	41.4		"	50.0	0.00	82.8	10-166				
Acetone	35.6		"	50.0	11.2	48.7	10-196				
Acrolein	9.34		"	50.0	0.00	18.7	10-192				
Acrylonitrile	38.2		"	50.0	0.00	76.4	13-161				
Benzene	41.0		"	50.0	0.00	82.0	43-139				
Bromochloromethane	40.8		"	50.0	0.00	81.5	38-145				
Bromodichloromethane	39.9		"	50.0	0.00	79.8	38-147				
Bromoform	39.9		"	50.0	0.00	79.9	29-156				
Bromomethane	42.4		"	50.0	0.00	84.8	10-166				
Carbon disulfide	29.0		"	50.0	0.00	57.9	10-131				
Carbon tetrachloride	39.8		"	50.0	0.00	79.6	35-145				
Chlorobenzene	36.2		"	50.0	0.00	72.4	21-154				
Chloroethane	48.9		"	50.0	0.00	97.8	15-160				
Chloroform	42.4		"	50.0	0.00	84.8	47-142				
Chloromethane	45.7		"	50.0	0.00	91.3	10-159				
cis-1,2-Dichloroethylene	38.8		"	50.0	0.00	77.5	42-144				
cis-1,3-Dichloropropylene	37.5		"	50.0	0.00	75.0	18-159				
Cyclohexane	32.5		"	50.0	0.00	65.1	70-130	Low Bias			
Dibromochloromethane	39.7		"	50.0	0.00	79.4	10-179				
Dibromomethane	37.5		"	50.0	0.00	74.9	47-143				
Dichlorodifluoromethane	50.9		"	50.0	0.00	102	10-145				
Ethyl Benzene	34.3		"	50.0	0.00	68.7	11-158				
Hexachlorobutadiene	13.1		"	50.0	0.00	26.3	10-158				
Isopropylbenzene	31.8		"	50.0	0.00	63.7	10-162				
Methyl acetate	41.2		"	50.0	3.01	76.3	10-149				
Methyl tert-butyl ether (MTBE)	46.5		"	50.0	0.00	93.1	42-152				
Methylcyclohexane	25.2		"	50.0	0.00	50.4	70-130	Low Bias			
Methylene chloride	41.2		"	50.0	0.00	82.5	28-151				
n-Butylbenzene	19.8		"	50.0	0.00	39.6	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS1) Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)								Prepared & Analyzed: 03/14/2022		
n-Propylbenzene	28.0		ug/L	50.0	0.00	55.9	10-155				
o-Xylene	36.3		"	50.0	0.00	72.7	10-158				
p- & m- Xylenes	68.7		"	100	0.00	68.7	10-156				
p-Isopropyltoluene	24.8		"	50.0	0.00	49.6	10-147				
sec-Butylbenzene	23.8		"	50.0	0.00	47.7	10-157				
Styrene	32.5		"	50.0	0.00	65.0	13-171				
tert-Butyl alcohol (TBA)	231		"	250	0.00	92.2	34-179				
tert-Butylbenzene	27.8		"	50.0	0.00	55.5	10-160				
Tetrachloroethylene	30.4		"	50.0	0.00	60.8	30-167				
Toluene	36.4		"	50.0	0.00	72.8	21-160				
trans-1,2-Dichloroethylene	34.2		"	50.0	0.00	68.3	29-153				
trans-1,3-Dichloropropylene	34.5		"	50.0	0.00	69.0	18-155				
Trichloroethylene	34.4		"	50.0	0.00	68.7	24-169				
Trichlorofluoromethane	47.4		"	50.0	0.00	94.9	35-142				
Vinyl Chloride	45.8		"	50.0	0.00	91.6	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike (BC22135-MS2) Matrix Spike	*Source sample: 22C0329-09 (Matrix Spike)								Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	36.2		ug/L	50.0	0.00	72.4	15-161				
1,1,1-Trichloroethane	37.4		"	50.0	0.00	74.8	42-145				
1,1,2,2-Tetrachloroethane	36.4		"	50.0	0.00	72.9	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.1		"	50.0	0.00	74.2	11-160				
1,1,2-Trichloroethane	38.1		"	50.0	0.00	76.1	44-145				
1,1-Dichloroethane	38.0		"	50.0	0.00	76.1	46-142				
1,1-Dichloroethylene	35.9		"	50.0	0.00	71.8	30-153				
1,2,3-Trichlorobenzene	24.9		"	50.0	0.00	49.8	10-157				
1,2,3-Trichloropropane	36.3		"	50.0	0.00	72.6	38-155				
1,2,4-Trichlorobenzene	24.1		"	50.0	0.00	48.1	10-151				
1,2,4-Trimethylbenzene	29.3		"	50.0	0.00	58.6	10-170				
1,2-Dibromo-3-chloropropane	34.3		"	50.0	0.00	68.6	36-138				
1,2-Dibromoethane	38.2		"	50.0	0.00	76.5	40-142				
1,2-Dichlorobenzene	29.1		"	50.0	0.00	58.3	10-147				
1,2-Dichloroethane	40.2		"	50.0	0.00	80.4	48-133				
1,2-Dichloropropane	38.0		"	50.0	0.00	76.1	47-141				
1,3,5-Trimethylbenzene	29.6		"	50.0	0.00	59.1	10-150				
1,3-Dichlorobenzene	27.7		"	50.0	0.00	55.5	10-144				
1,4-Dichlorobenzene	27.6		"	50.0	0.00	55.2	10-160				
1,4-Dioxane	817		"	1050	0.00	77.8	10-191				
2-Butanone	31.5		"	50.0	0.00	63.0	10-189				
2-Hexanone	32.0		"	50.0	0.00	64.0	10-181				
4-Methyl-2-pentanone	38.2		"	50.0	0.00	76.4	10-166				
Acetone	32.1		"	50.0	0.00	64.3	10-196				
Acrolein	11.6		"	50.0	0.00	23.3	10-192				
Acrylonitrile	38.8		"	50.0	0.00	77.7	13-161				
Benzene	37.4		"	50.0	0.00	74.8	43-139				
Bromochloromethane	40.0		"	50.0	0.00	80.0	38-145				
Bromodichloromethane	36.9		"	50.0	0.00	73.7	38-147				
Bromoform	38.5		"	50.0	0.00	77.1	29-156				
Bromomethane	44.8		"	50.0	0.00	89.6	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS2) Matrix Spike	*Source sample: 22C0329-09 (Matrix Spike)							Prepared & Analyzed: 03/14/2022			
Carbon disulfide	33.5		ug/L	50.0	0.00	67.0	10-131				
Carbon tetrachloride	36.9		"	50.0	0.00	73.8	35-145				
Chlorobenzene	34.4		"	50.0	0.00	68.8	21-154				
Chloroethane	48.9		"	50.0	0.00	97.9	15-160				
Chloroform	38.6		"	50.0	0.00	77.2	47-142				
Chloromethane	43.6		"	50.0	0.00	87.1	10-159				
cis-1,2-Dichloroethylene	37.1		"	50.0	0.00	74.2	42-144				
cis-1,3-Dichloropropylene	36.5		"	50.0	0.00	73.0	18-159				
Cyclohexane	32.1		"	50.0	0.00	64.2	70-130	Low Bias			
Dibromochloromethane	37.7		"	50.0	0.00	75.4	10-179				
Dibromomethane	37.5		"	50.0	0.00	75.0	47-143				
Dichlorodifluoromethane	48.6		"	50.0	0.00	97.2	10-145				
Ethyl Benzene	32.7		"	50.0	0.00	65.4	11-158				
Hexachlorobutadiene	21.2		"	50.0	0.00	42.5	10-158				
Isopropylbenzene	31.4		"	50.0	0.00	62.8	10-162				
Methyl acetate	36.3		"	50.0	0.00	72.5	10-149				
Methyl tert-butyl ether (MTBE)	43.3		"	50.0	0.00	86.7	42-152				
Methylcyclohexane	28.6		"	50.0	0.00	57.2	70-130	Low Bias			
Methylene chloride	41.3		"	50.0	0.00	82.6	28-151				
n-Butylbenzene	25.3		"	50.0	0.00	50.5	10-162				
n-Propylbenzene	29.0		"	50.0	0.00	57.9	10-155				
o-Xylene	34.3		"	50.0	0.00	68.6	10-158				
p- & m- Xylenes	65.9		"	100	0.00	65.9	10-156				
p-Isopropyltoluene	28.8		"	50.0	0.00	57.7	10-147				
sec-Butylbenzene	28.1		"	50.0	0.00	56.2	10-157				
Styrene	30.8		"	50.0	0.00	61.6	13-171				
tert-Butyl alcohol (TBA)	230		"	250	0.00	91.8	34-179				
tert-Butylbenzene	30.0		"	50.0	0.00	60.1	10-160				
Tetrachloroethylene	29.9		"	50.0	0.00	59.8	30-167				
Toluene	33.4		"	50.0	0.00	66.8	21-160				
trans-1,2-Dichloroethylene	35.6		"	50.0	0.00	71.3	29-153				
trans-1,3-Dichloropropylene	35.9		"	50.0	0.00	71.9	18-155				
Trichloroethylene	33.2		"	50.0	0.00	66.5	24-169				
Trichlorofluoromethane	44.8		"	50.0	0.00	89.5	35-142				
Vinyl Chloride	43.8		"	50.0	0.00	87.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC22135 - EPA 5035A

Matrix Spike Dup (BC22135-M Matrix Spike Dup *Source sample: 22C0563-02 (EP24_7.5) Prepared & Analyzed: 03/14/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	38.5		ug/L	50.0	0.00	76.9	15-161		0.648	33	
1,1,1-Trichloroethane	45.5		"	50.0	0.00	90.9	42-145		12.3	30	
1,1,2,2-Tetrachloroethane	38.7		"	50.0	0.00	77.4	16-167		0.155	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.2		"	50.0	0.00	88.4	11-160		13.3	31	
1,1,2-Trichloroethane	37.9		"	50.0	0.00	75.8	44-145		8.87	40	
1,1-Dichloroethane	44.5		"	50.0	0.00	89.1	46-142		7.94	36	
1,1-Dichloroethylene	45.3		"	50.0	0.00	90.7	30-153		18.2	31	
1,2,3-Trichlorobenzene	27.1		"	50.0	0.00	54.2	10-157		38.7	47	
1,2,3-Trichloropropane	39.8		"	50.0	0.00	79.6	38-155		4.15	48	
1,2,4-Trichlorobenzene	26.7		"	50.0	0.00	53.4	10-151		39.8	52	
1,2,4-Trimethylbenzene	36.9		"	50.0	0.00	73.8	10-170		24.5	242	
1,2-Dibromo-3-chloropropane	42.1		"	50.0	0.00	84.3	36-138		22.1	54	
1,2-Dibromoethane	37.4		"	50.0	0.00	74.8	40-142		2.61	39	
1,2-Dichlorobenzene	34.2		"	50.0	0.00	68.4	10-147		18.6	52	
1,2-Dichloroethane	40.3		"	50.0	0.00	80.6	48-133		4.44	32	
1,2-Dichloropropane	42.0		"	50.0	0.00	84.1	47-141		1.17	37	
1,3,5-Trimethylbenzene	37.8		"	50.0	0.00	75.6	10-150		26.7	62	
1,3-Dichlorobenzene	33.7		"	50.0	0.00	67.4	10-144		25.6	51	
1,4-Dichlorobenzene	33.2		"	50.0	0.00	66.4	10-160		25.9	52	
1,4-Dioxane	1340		"	1050	0.00	128	10-191		46.3	196	
2-Butanone	47.6		"	50.0	0.00	95.1	10-189		16.8	67	
2-Hexanone	42.8		"	50.0	0.00	85.6	10-181		13.4	60	
4-Methyl-2-pentanone	43.8		"	50.0	0.00	87.7	10-166		5.68	47	
Acetone	41.0		"	50.0	11.2	59.5	10-196		14.1	150	
Acrolein	30.4		"	50.0	0.00	60.7	10-192		106	128	
Acrylonitrile	49.6		"	50.0	0.00	99.2	13-161		26.0	48	
Benzene	43.7		"	50.0	0.00	87.5	43-139		6.49	64	
Bromochloromethane	40.5		"	50.0	0.00	81.1	38-145		0.541	30	
Bromodichloromethane	39.2		"	50.0	0.00	78.4	38-147		1.79	37	
Bromoform	36.7		"	50.0	0.00	73.4	29-156		8.48	51	
Bromomethane	49.2		"	50.0	0.00	98.4	10-166		14.9	42	
Carbon disulfide	40.0		"	50.0	0.00	79.9	10-131		31.9	36	
Carbon tetrachloride	46.2		"	50.0	0.00	92.4	35-145		14.9	31	
Chlorobenzene	40.8		"	50.0	0.00	81.6	21-154		12.1	32	
Chloroethane	57.7		"	50.0	0.00	115	15-160		16.4	40	
Chloroform	44.3		"	50.0	0.00	88.6	47-142		4.38	29	
Chloromethane	53.5		"	50.0	0.00	107	10-159		15.9	31	
cis-1,2-Dichloroethylene	42.4		"	50.0	0.00	84.9	42-144		9.04	30	
cis-1,3-Dichloropropylene	37.1		"	50.0	0.00	74.3	18-159		0.938	39	
Cyclohexane	41.4		"	50.0	0.00	82.7	70-130		23.9	30	
Dibromochloromethane	36.5		"	50.0	0.00	73.1	10-179		8.24	41	
Dibromomethane	37.4		"	50.0	0.00	74.8	47-143		0.107	41	
Dichlorodifluoromethane	59.4		"	50.0	0.00	119	10-145		15.4	34	
Ethyl Benzene	40.4		"	50.0	0.00	80.7	11-158		16.1	42	
Hexachlorobutadiene	27.0		"	50.0	0.00	54.0	10-158		69.1	45	Non-dir.
Isopropylbenzene	41.8		"	50.0	0.00	83.7	10-162		27.2	57	
Methyl acetate	43.7		"	50.0	3.01	81.4	10-149		5.99	64	
Methyl tert-butyl ether (MTBE)	39.2		"	50.0	0.00	78.5	42-152		17.0	47	
Methylcyclohexane	37.7		"	50.0	0.00	75.4	70-130		39.8	30	Non-dir.
Methylene chloride	42.5		"	50.0	0.00	84.9	28-151		2.89	49	
n-Butylbenzene	32.4		"	50.0	0.00	64.8	10-162		48.2	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike Dup (BC22135-M Matrix Spike Dup *Source sample: 22C0563-02 (EP24_7.5)									Prepared & Analyzed: 03/14/2022		
n-Propylbenzene	38.2		ug/L	50.0	0.00	76.5	10-155		31.1	56	
o-Xylene	40.5		"	50.0	0.00	81.1	10-158		10.9	51	
p- & m- Xylenes	80.6		"	100	0.00	80.6	10-156		16.0	47	
p-Isopropyltoluene	37.1		"	50.0	0.00	74.2	10-147		39.6	60	
sec-Butylbenzene	37.8		"	50.0	0.00	75.7	10-157		45.4	56	
Styrene	36.6		"	50.0	0.00	73.2	13-171		12.0	39	
tert-Butyl alcohol (TBA)	395		"	250	0.00	158	34-179		52.5	35	Non-dir.
tert-Butylbenzene	39.9		"	50.0	0.00	79.7	10-160		35.8	79	
Tetrachloroethylene	37.7		"	50.0	0.00	75.3	30-167		21.3	33	
Toluene	41.2		"	50.0	0.00	82.4	21-160		12.3	50	
trans-1,2-Dichloroethylene	42.1		"	50.0	0.00	84.2	29-153		20.8	30	
trans-1,3-Dichloropropylene	33.1		"	50.0	0.00	66.2	18-155		4.11	30	
Trichloroethylene	42.0		"	50.0	0.00	84.1	24-169		20.1	30	
Trichlorofluoromethane	55.3		"	50.0	0.00	111	35-142		15.2	30	
Vinyl Chloride	55.9		"	50.0	0.00	112	12-160		19.8	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike Dup (BC22135-M Matrix Spike Dup *Source sample: 22C0329-09 (Matrix Spike Dup)									Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	37.4		ug/L	50.0	0.00	74.8	15-161		3.26	33	
1,1,1-Trichloroethane	37.6		"	50.0	0.00	75.3	42-145		0.666	30	
1,1,2,2-Tetrachloroethane	37.5		"	50.0	0.00	75.0	16-167		2.87	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.7		"	50.0	0.00	75.4	11-160		1.60	31	
1,1,2-Trichloroethane	38.0		"	50.0	0.00	76.0	44-145		0.131	40	
1,1-Dichloroethane	37.9		"	50.0	0.00	75.7	46-142		0.474	36	
1,1-Dichloroethylene	37.0		"	50.0	0.00	73.9	30-153		2.97	31	
1,2,3-Trichlorobenzene	31.0		"	50.0	0.00	62.0	10-157		21.8	47	
1,2,3-Trichloropropane	36.4		"	50.0	0.00	72.7	38-155		0.165	48	
1,2,4-Trichlorobenzene	29.9		"	50.0	0.00	59.8	10-151		21.7	52	
1,2,4-Trimethylbenzene	32.6		"	50.0	0.00	65.2	10-170		10.6	242	
1,2-Dibromo-3-chloropropane	34.9		"	50.0	0.00	69.8	36-138		1.71	54	
1,2-Dibromoethane	38.5		"	50.0	0.00	77.1	40-142		0.755	39	
1,2-Dichlorobenzene	33.5		"	50.0	0.00	67.0	10-147		13.9	52	
1,2-Dichloroethane	40.8		"	50.0	0.00	81.6	48-133		1.41	32	
1,2-Dichloropropane	38.0		"	50.0	0.00	75.9	47-141		0.237	37	
1,3,5-Trimethylbenzene	33.0		"	50.0	0.00	65.9	10-150		10.9	62	
1,3-Dichlorobenzene	31.7		"	50.0	0.00	63.3	10-144		13.2	51	
1,4-Dichlorobenzene	31.7		"	50.0	0.00	63.5	10-160		13.9	52	
1,4-Dioxane	800		"	1050	0.00	76.2	10-191		2.01	196	
2-Butanone	33.9		"	50.0	0.00	67.9	10-189		7.49	67	
2-Hexanone	35.2		"	50.0	0.00	70.3	10-181		9.41	60	
4-Methyl-2-pentanone	38.8		"	50.0	0.00	77.6	10-166		1.53	47	
Acetone	28.6		"	50.0	0.00	57.3	10-196		11.5	150	
Acrolein	19.6		"	50.0	0.00	39.3	10-192		51.1	128	
Acrylonitrile	36.9		"	50.0	0.00	73.8	13-161		5.04	48	
Benzene	38.4		"	50.0	0.00	76.8	43-139		2.61	64	
Bromochloromethane	40.2		"	50.0	0.00	80.5	38-145		0.573	30	
Bromodichloromethane	37.8		"	50.0	0.00	75.6	38-147		2.47	37	
Bromoform	40.7		"	50.0	0.00	81.4	29-156		5.50	51	
Bromomethane	46.4		"	50.0	0.00	92.8	10-166		3.49	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike Dup (BC22135-M Matrix Spike Dup	*Source sample: 22C0329-09 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022		
Carbon disulfide	35.4		ug/L	50.0	0.00	70.8	10-131		5.46	36	
Carbon tetrachloride	38.4		"	50.0	0.00	76.8	35-145		3.96	31	
Chlorobenzene	36.5		"	50.0	0.00	72.9	21-154		5.76	32	
Chloroethane	48.2		"	50.0	0.00	96.4	15-160		1.52	40	
Chloroform	39.6		"	50.0	0.00	79.1	47-142		2.38	29	
Chloromethane	42.9		"	50.0	0.00	85.8	10-159		1.57	31	
cis-1,2-Dichloroethylene	37.7		"	50.0	0.00	75.4	42-144		1.63	30	
cis-1,3-Dichloropropylene	37.9		"	50.0	0.00	75.8	18-159		3.74	39	
Cyclohexane	34.4		"	50.0	0.00	68.8	70-130	Low Bias	6.86	30	
Dibromochloromethane	38.6		"	50.0	0.00	77.1	10-179		2.18	41	
Dibromomethane	37.4		"	50.0	0.00	74.8	47-143		0.347	41	
Dichlorodifluoromethane	48.2		"	50.0	0.00	96.4	10-145		0.868	34	
Ethyl Benzene	35.3		"	50.0	0.00	70.7	11-158		7.79	42	
Hexachlorobutadiene	29.4		"	50.0	0.00	58.8	10-158		32.3	45	
Isopropylbenzene	34.0		"	50.0	0.00	68.0	10-162		7.98	57	
Methyl acetate	36.5		"	50.0	0.00	72.9	10-149		0.577	64	
Methyl tert-butyl ether (MTBE)	43.1		"	50.0	0.00	86.2	42-152		0.555	47	
Methylcyclohexane	31.9		"	50.0	0.00	63.8	70-130	Low Bias	10.9	30	
Methylene chloride	42.2		"	50.0	0.00	84.4	28-151		2.23	49	
n-Butylbenzene	31.1		"	50.0	0.00	62.3	10-162		20.9	96	
n-Propylbenzene	32.3		"	50.0	0.00	64.6	10-155		10.9	56	
o-Xylene	36.6		"	50.0	0.00	73.3	10-158		6.66	51	
p- & m- Xylenes	70.9		"	100	0.00	70.9	10-156		7.26	47	
p-Isopropyltoluene	32.7		"	50.0	0.00	65.3	10-147		12.5	60	
sec-Butylbenzene	32.2		"	50.0	0.00	64.5	10-157		13.7	56	
Styrene	33.8		"	50.0	0.00	67.6	13-171		9.26	39	
tert-Butyl alcohol (TBA)	222		"	250	0.00	89.0	34-179		3.19	35	
tert-Butylbenzene	33.7		"	50.0	0.00	67.4	10-160		11.5	79	
Tetrachloroethylene	31.9		"	50.0	0.00	63.7	30-167		6.41	33	
Toluene	35.0		"	50.0	0.00	70.1	21-160		4.85	50	
trans-1,2-Dichloroethylene	36.6		"	50.0	0.00	73.2	29-153		2.74	30	
trans-1,3-Dichloropropylene	37.4		"	50.0	0.00	74.9	18-155		4.09	30	
Trichloroethylene	35.1		"	50.0	0.00	70.2	24-169		5.50	30	
Trichlorofluoromethane	44.6		"	50.0	0.00	89.3	35-142		0.269	30	
Vinyl Chloride	43.6		"	50.0	0.00	87.2	12-160		0.526	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.2*		*"*	*50.0*		*96.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.4*	*76-130*				

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

Batch BC21944 - EPA 3546 SVOA

Blank (BC21944-BLK1) Blank — Prepared: 03/10/2022 Analyzed: 03/11/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
Blank (BC21944-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.28*		"	*1.66*		*76.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.959*		"	*1.66*		*57.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.656*		"	*0.831*		*79.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.726*		"	*0.831*		*87.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.58*		"	*1.66*		*95.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.746*		"	*0.831*		*89.8*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
LCS (BC21944-BS1) LCS							Prepared: 03/10/2022 Analyzed: 03/11/2022				
1,1-Biphenyl	0.587	0.0416	mg/kg wet	0.831		70.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.652	0.0830	"	0.831		78.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.445	0.0416	"	0.831		53.5	17-137				
2,3,4,6-Tetrachlorophenol	0.329	0.0830	"	0.831		39.6	30-130				
2,4,5-Trichlorophenol	0.537	0.0416	"	0.831		64.6	27-118				
2,4,6-Trichlorophenol	0.586	0.0416	"	0.831		70.6	31-120				
2,4-Dichlorophenol	0.597	0.0416	"	0.831		71.8	20-127				
2,4-Dimethylphenol	0.527	0.0416	"	0.831		63.5	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.682	0.0416	"	0.831		82.1	34-131				
2,6-Dinitrotoluene	0.657	0.0416	"	0.831		79.1	31-128				
2-Chloronaphthalene	0.547	0.0416	"	0.831		65.8	31-117				
2-Chlorophenol	0.489	0.0416	"	0.831		58.9	33-113				
2-Methylnaphthalene	0.528	0.0416	"	0.831		63.5	12-138				
2-Methylphenol	0.268	0.0416	"	0.831		32.3	10-136				
2-Nitroaniline	0.638	0.0830	"	0.831		76.8	27-132				
2-Nitrophenol	0.623	0.0416	"	0.831		75.0	17-129				
3- & 4-Methylphenols	0.335	0.0416	"	0.831		40.3	29-103				
3,3-Dichlorobenzidine	0.622	0.0416	"	0.831		74.9	22-149				
3-Nitroaniline	0.664	0.0830	"	0.831		80.0	20-133				
4,6-Dinitro-2-methylphenol	ND	0.0830	"	0.831			10-143	Low Bias			
4-Bromophenyl phenyl ether	0.588	0.0416	"	0.831		70.8	29-120				
4-Chloro-3-methylphenol	0.543	0.0416	"	0.831		65.4	24-129				
4-Chloroaniline	0.329	0.0416	"	0.831		39.6	10-132				
4-Chlorophenyl phenyl ether	0.544	0.0416	"	0.831		65.5	27-124				
4-Nitroaniline	0.566	0.0830	"	0.831		68.2	16-128				
4-Nitrophenol	0.428	0.0830	"	0.831		51.5	10-141				
Acenaphthene	0.541	0.0416	"	0.831		65.1	30-121				
Acenaphthylene	0.516	0.0416	"	0.831		62.1	30-115				
Acetophenone	0.534	0.0416	"	0.831		64.3	20-112				
Aniline	0.320	0.166	"	0.831		38.6	10-119				
Anthracene	0.588	0.0416	"	0.831		70.8	34-118				
Atrazine	0.659	0.0416	"	0.831		79.3	26-112				
Benzaldehyde	0.525	0.0416	"	0.831		63.2	21-100				
Benzo(a)anthracene	0.580	0.0416	"	0.831		69.8	32-122				
Benzo(a)pyrene	0.611	0.0416	"	0.831		73.5	29-133				
Benzo(b)fluoranthene	0.618	0.0416	"	0.831		74.4	25-133				
Benzo(g,h,i)perylene	0.461	0.0416	"	0.831		55.5	10-143				
Benzo(k)fluoranthene	0.624	0.0416	"	0.831		75.1	25-128				
Benzoic acid	1.16	0.0416	"	0.831		140	10-140				
Benzyl alcohol	0.433	0.0416	"	0.831		52.1	30-115				
Benzyl butyl phthalate	0.489	0.0416	"	0.831		58.8	26-126				
Bis(2-chloroethoxy)methane	0.515	0.0416	"	0.831		62.0	19-132				
Bis(2-chloroethyl)ether	0.457	0.0416	"	0.831		55.0	19-125				
Bis(2-chloroisopropyl)ether	0.280	0.0416	"	0.831		33.7	20-135				
Bis(2-ethylhexyl)phthalate	0.498	0.0416	"	0.831		59.9	10-155				
Caprolactam	0.544	0.0830	"	0.831		65.5	10-127				
Carbazole	0.552	0.0416	"	0.831		66.4	35-123				
Chrysene	0.560	0.0416	"	0.831		67.4	32-123				
Dibenzo(a,h)anthracene	0.505	0.0416	"	0.831		60.8	10-136				
Dibenzofuran	0.539	0.0416	"	0.831		64.9	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
LCS (BC21944-BS1) LCS								Prepared: 03/10/2022 Analyzed: 03/11/2022			
Diethyl phthalate	0.548	0.0416	mg/kg wet	0.831		66.0	34-116				
Dimethyl phthalate	0.597	0.0416	"	0.831		71.9	35-124				
Di-n-butyl phthalate	0.512	0.0416	"	0.831		61.7	31-116				
Di-n-octyl phthalate	0.507	0.0416	"	0.831		61.0	26-136				
Diphenylamine	0.633	0.0830	"	0.831		76.2	40-140				
Fluoranthene	0.565	0.0416	"	0.831		68.0	33-122				
Fluorene	0.534	0.0416	"	0.831		64.3	29-123				
Hexachlorobenzene	0.537	0.0416	"	0.831		64.6	21-124				
Hexachlorobutadiene	0.592	0.0416	"	0.831		71.2	10-149				
Hexachlorocyclopentadiene	0.231	0.0416	"	0.831		27.8	10-129				
Hexachloroethane	0.429	0.0416	"	0.831		51.6	28-108				
Indeno(1,2,3-cd)pyrene	0.568	0.0416	"	0.831		68.4	10-135				
Isophorone	0.404	0.0416	"	0.831		48.6	20-132				
Naphthalene	0.499	0.0416	"	0.831		60.0	23-124				
Nitrobenzene	0.522	0.0416	"	0.831		62.9	13-132				
N-Nitrosodimethylamine	0.272	0.0416	"	0.831		32.8	11-129				
N-nitroso-di-n-propylamine	0.376	0.0416	"	0.831		45.2	24-119				
N-Nitrosodiphenylamine	0.629	0.0416	"	0.831		75.8	22-152				
Pentachlorophenol	0.190	0.0416	"	0.831		22.9	10-139				
Phenanthrene	0.541	0.0416	"	0.831		65.1	33-123				
Phenol	0.0252	0.0416	"	0.831		3.04	23-115	Low Bias			
Pyrene	0.567	0.0416	"	0.831		68.3	24-130				
Pyridine	0.297	0.166	"	0.831		35.8	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.02*		"	*1.66*		*61.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.972*		"	*1.66*		*58.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.550*		"	*0.831*		*66.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.580*		"	*0.831*		*69.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.36*		"	*1.66*		*82.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.614*		"	*0.831*		*73.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
Matrix Spike (BC21944-MS1) Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)							Prepared: 03/10/2022 Analyzed: 03/11/2022			
1,1-Biphenyl	0.650	0.100	mg/kg dry	0.999	ND	65.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.758	0.200	"	0.999	ND	75.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.472	0.100	"	0.999	ND	47.3	10-144				
2,3,4,6-Tetrachlorophenol	0.434	0.200	"	0.999	ND	43.4	30-130				
2,4,5-Trichlorophenol	0.598	0.100	"	0.999	ND	59.8	10-127				
2,4,6-Trichlorophenol	0.652	0.100	"	0.999	ND	65.3	10-132				
2,4-Dichlorophenol	0.696	0.100	"	0.999	ND	69.7	10-128				
2,4-Dimethylphenol	0.608	0.100	"	0.999	ND	60.8	10-137				
2,4-Dinitrophenol	ND	0.200	"	0.999	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.727	0.100	"	0.999	ND	72.8	16-135				
2,6-Dinitrotoluene	0.723	0.100	"	0.999	ND	72.3	18-131				
2-Chloronaphthalene	0.611	0.100	"	0.999	ND	61.1	10-129				
2-Chlorophenol	0.527	0.100	"	0.999	ND	52.7	15-116				
2-Methylnaphthalene	0.663	0.100	"	0.999	ND	66.3	10-147				
2-Methylphenol	0.231	0.100	"	0.999	ND	23.1	10-136				
2-Nitroaniline	0.637	0.200	"	0.999	ND	63.8	10-137				
2-Nitrophenol	0.667	0.100	"	0.999	ND	66.8	10-129				
3- & 4-Methylphenols	0.330	0.100	"	0.999	ND	33.0	10-123				
3,3-Dichlorobenzidine	0.611	0.100	"	0.999	ND	61.1	10-155				
3-Nitroaniline	0.663	0.200	"	0.999	ND	66.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.200	"	0.999	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.612	0.100	"	0.999	ND	61.2	14-128				
4-Chloro-3-methylphenol	0.659	0.100	"	0.999	ND	65.9	10-134				
4-Chloroaniline	0.436	0.100	"	0.999	ND	43.6	10-145				
4-Chlorophenyl phenyl ether	0.612	0.100	"	0.999	ND	61.2	14-130				
4-Nitroaniline	0.560	0.200	"	0.999	ND	56.1	10-147				
4-Nitrophenol	0.711	0.200	"	0.999	ND	71.2	10-137				
Acenaphthene	0.540	0.100	"	0.999	ND	54.0	10-146				
Acenaphthylene	0.589	0.100	"	0.999	ND	59.0	10-134				
Acetophenone	0.528	0.100	"	0.999	ND	52.8	10-116				
Aniline	0.370	0.400	"	0.999	ND	37.0	10-123				
Anthracene	0.649	0.100	"	0.999	ND	65.0	10-142				
Atrazine	0.687	0.100	"	0.999	ND	68.8	19-115				
Benzaldehyde	0.541	0.100	"	0.999	ND	54.2	10-125				
Benzo(a)anthracene	0.749	0.100	"	0.999	0.144	60.5	10-158				
Benzo(a)pyrene	0.596	0.100	"	0.999	0.136	46.0	10-180				
Benzo(b)fluoranthene	0.592	0.100	"	0.999	0.0948	49.8	10-200				
Benzo(g,h,i)perylene	0.646	0.100	"	0.999	0.0925	55.4	10-138				
Benzo(k)fluoranthene	0.631	0.100	"	0.999	0.105	52.6	10-197				
Benzoic acid	1.24	0.100	"	0.999	ND	124	10-166				
Benzyl alcohol	0.419	0.100	"	0.999	ND	41.9	12-124				
Benzyl butyl phthalate	0.528	0.100	"	0.999	ND	52.9	10-154				
Bis(2-chloroethoxy)methane	0.526	0.100	"	0.999	ND	52.6	10-132				
Bis(2-chloroethyl)ether	0.504	0.100	"	0.999	ND	50.5	10-119				
Bis(2-chloroisopropyl)ether	0.263	0.100	"	0.999	ND	26.3	10-139				
Bis(2-ethylhexyl)phthalate	0.563	0.100	"	0.999	ND	56.3	10-167				
Caprolactam	0.637	0.200	"	0.999	ND	63.8	10-132				
Carbazole	0.568	0.100	"	0.999	ND	56.8	10-167				
Chrysene	0.769	0.100	"	0.999	0.149	62.1	10-156				
Dibenzo(a,h)anthracene	0.636	0.100	"	0.999	ND	63.7	10-137				
Dibenzofuran	0.622	0.100	"	0.999	ND	62.2	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
Matrix Spike (BC21944-MS1) Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)							Prepared: 03/10/2022 Analyzed: 03/11/2022			
Diethyl phthalate	0.561	0.100	mg/kg dry	0.999	ND	56.2	20-120				
Dimethyl phthalate	0.582	0.100	"	0.999	ND	58.2	18-131				
Di-n-butyl phthalate	0.532	0.100	"	0.999	ND	53.3	10-137				
Di-n-octyl phthalate	0.514	0.100	"	0.999	ND	51.4	10-180				
Diphenylamine	0.679	0.200	"	0.999	ND	67.9	40-140				
Fluoranthene	0.926	0.100	"	0.999	0.292	63.5	10-160				
Fluorene	0.647	0.100	"	0.999	ND	64.8	10-157				
Hexachlorobenzene	0.568	0.100	"	0.999	ND	56.9	10-137				
Hexachlorobutadiene	0.571	0.100	"	0.999	ND	57.1	10-132				
Hexachlorocyclopentadiene	0.0903	0.100	"	0.999	ND	9.04	10-106	Low Bias			
Hexachloroethane	0.476	0.100	"	0.999	ND	47.7	10-110				
Indeno(1,2,3-cd)pyrene	0.762	0.100	"	0.999	0.0948	66.7	10-144				
Isophorone	0.427	0.100	"	0.999	ND	42.7	10-132				
Naphthalene	0.634	0.100	"	0.999	ND	63.4	10-141				
Nitrobenzene	0.620	0.100	"	0.999	ND	62.0	10-131				
N-Nitrosodimethylamine	0.296	0.100	"	0.999	ND	29.6	10-126				
N-nitroso-di-n-propylamine	0.404	0.100	"	0.999	ND	40.5	10-125				
N-Nitrosodiphenylamine	0.636	0.100	"	0.999	ND	63.7	10-177				
Pentachlorophenol	0.268	0.100	"	0.999	ND	26.8	10-153				
Phenanthrene	0.755	0.100	"	0.999	0.115	64.0	10-148				
Phenol	0.450	0.100	"	0.999	ND	45.0	10-126				
Pyrene	0.874	0.100	"	0.999	0.306	56.8	10-165				
Pyridine	0.275	0.400	"	0.999	ND	27.5	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.08*		"	*2.00*		*53.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.924*		"	*2.00*		*46.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.616*		"	*0.999*		*61.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.598*		"	*0.999*		*59.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.37*		"	*2.00*		*68.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.617*		"	*0.999*		*61.8*	*24-116*				

Batch BC21944 - EPA 3546 SVOA

Matrix Spike Dup (BC21944-M Matrix Spike Dup Source sample: 22C0563-02 (EP24_7.5) Prepared: 03/10/2022 Analyzed: 03/11/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.703	0.100	mg/kg dry	0.999	ND	70.3	10-130		7.80	30	
1,2,4,5-Tetrachlorobenzene	0.765	0.200	"	0.999	ND	76.6	10-133		0.945	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.529	0.100	"	0.999	ND	53.0	10-144		11.3	30	
2,3,4,6-Tetrachlorophenol	0.476	0.200	"	0.999	ND	47.7	30-130		9.31	30	
2,4,5-Trichlorophenol	0.644	0.100	"	0.999	ND	64.5	10-127		7.46	30	
2,4,6-Trichlorophenol	0.691	0.100	"	0.999	ND	69.2	10-132		5.83	30	
2,4-Dichlorophenol	0.705	0.100	"	0.999	ND	70.6	10-128		1.25	30	
2,4-Dimethylphenol	0.648	0.100	"	0.999	ND	64.9	10-137		6.49	30	
2,4-Dinitrophenol	ND	0.200	"	0.999	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.827	0.100	"	0.999	ND	82.7	16-135		12.8	30	
2,6-Dinitrotoluene	0.779	0.100	"	0.999	ND	77.9	18-131		7.45	30	
2-Chloronaphthalene	0.661	0.100	"	0.999	ND	66.2	10-129		7.92	30	
2-Chlorophenol	0.560	0.100	"	0.999	ND	56.1	15-116		6.18	30	
2-Methylnaphthalene	0.685	0.100	"	0.999	ND	68.6	10-147		3.32	30	
2-Methylphenol	0.305	0.100	"	0.999	ND	30.5	10-136		27.5	30	
2-Nitroaniline	0.720	0.200	"	0.999	ND	72.1	10-137		12.2	30	
2-Nitrophenol	0.712	0.100	"	0.999	ND	71.3	10-129		6.49	30	
3- & 4-Methylphenols	0.377	0.100	"	0.999	ND	37.8	10-123		13.3	30	
3,3-Dichlorobenzidine	0.664	0.100	"	0.999	ND	66.5	10-155		8.40	30	
3-Nitroaniline	0.751	0.200	"	0.999	ND	75.1	12-133		12.3	30	
4,6-Dinitro-2-methylphenol	ND	0.200	"	0.999	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.681	0.100	"	0.999	ND	68.2	14-128		10.8	30	
4-Chloro-3-methylphenol	0.695	0.100	"	0.999	ND	69.6	10-134		5.43	30	
4-Chloroaniline	0.454	0.100	"	0.999	ND	45.4	10-145		4.13	30	
4-Chlorophenyl phenyl ether	0.698	0.100	"	0.999	ND	69.8	14-130		13.2	30	
4-Nitroaniline	0.687	0.200	"	0.999	ND	68.8	10-147		20.4	30	
4-Nitrophenol	0.469	0.200	"	0.999	ND	47.0	10-137		41.0	30	Non-dir.
Acenaphthene	0.634	0.100	"	0.999	ND	63.4	10-146		16.1	30	
Acenaphthylene	0.677	0.100	"	0.999	ND	67.8	10-134		13.9	30	
Acetophenone	0.580	0.100	"	0.999	ND	58.0	10-116		9.39	30	
Aniline	0.411	0.400	"	0.999	ND	41.1	10-123		10.4	30	
Anthracene	0.757	0.100	"	0.999	ND	75.8	10-142		15.3	30	
Atrazine	0.755	0.100	"	0.999	ND	75.5	19-115		9.31	30	
Benzaldehyde	0.595	0.100	"	0.999	ND	59.5	10-125		9.43	30	
Benzo(a)anthracene	0.878	0.100	"	0.999	0.144	73.4	10-158		15.8	30	
Benzo(a)pyrene	0.663	0.100	"	0.999	0.136	52.8	10-180		10.7	30	
Benzo(b)fluoranthene	0.649	0.100	"	0.999	0.0948	55.5	10-200		9.14	30	
Benzo(g,h,i)perylene	0.703	0.100	"	0.999	0.0925	61.1	10-138		8.42	30	
Benzo(k)fluoranthene	0.684	0.100	"	0.999	0.105	58.0	10-197		8.15	30	
Benzoic acid	1.33	0.100	"	0.999	ND	133	10-166		6.60	30	
Benzyl alcohol	0.482	0.100	"	0.999	ND	48.2	12-124		14.0	30	
Benzyl butyl phthalate	0.611	0.100	"	0.999	ND	61.1	10-154		14.5	30	
Bis(2-chloroethoxy)methane	0.499	0.100	"	0.999	ND	49.9	10-132		5.30	30	
Bis(2-chloroethyl)ether	0.570	0.100	"	0.999	ND	57.0	10-119		12.2	30	
Bis(2-chloroisopropyl)ether	0.308	0.100	"	0.999	ND	30.8	10-139		15.7	30	
Bis(2-ethylhexyl)phthalate	0.624	0.100	"	0.999	ND	62.4	10-167		10.2	30	
Caprolactam	0.664	0.200	"	0.999	ND	66.5	10-132		4.18	30	
Carbazole	0.663	0.100	"	0.999	ND	66.3	10-167		15.5	30	
Chrysene	0.859	0.100	"	0.999	0.149	71.1	10-156		11.1	30	
Dibenzo(a,h)anthracene	0.683	0.100	"	0.999	ND	68.3	10-137		7.03	30	
Dibenzofuran	0.669	0.100	"	0.999	ND	67.0	10-147		7.31	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21944 - EPA 3546 SVOA											
Matrix Spike Dup (BC21944-M Matrix Spike Dup	*Source sample: 22C0563-02 (EP24_7.5)								Prepared: 03/10/2022 Analyzed: 03/11/2022		
Diethyl phthalate	0.604	0.100	mg/kg dry	0.999	ND	60.4	20-120		7.28	30	
Dimethyl phthalate	0.612	0.100	"	0.999	ND	61.3	18-131		5.09	30	
Di-n-butyl phthalate	0.608	0.100	"	0.999	ND	60.9	10-137		13.3	30	
Di-n-octyl phthalate	0.535	0.100	"	0.999	ND	53.5	10-180		3.96	30	
Diphenylamine	0.736	0.200	"	0.999	ND	73.7	40-140		8.14	30	
Fluoranthene	1.10	0.100	"	0.999	0.292	81.1	10-160		17.4	30	
Fluorene	0.683	0.100	"	0.999	ND	68.4	10-157		5.41	30	
Hexachlorobenzene	0.589	0.100	"	0.999	ND	59.0	10-137		3.59	30	
Hexachlorobutadiene	0.659	0.100	"	0.999	ND	66.0	10-132		14.4	30	
Hexachlorocyclopentadiene	0.110	0.100	"	0.999	ND	11.0	10-106		19.2	30	
Hexachloroethane	0.508	0.100	"	0.999	ND	50.9	10-110		6.49	30	
Indeno(1,2,3-cd)pyrene	0.829	0.100	"	0.999	0.0948	73.5	10-144		8.44	30	
Isophorone	0.428	0.100	"	0.999	ND	42.9	10-132		0.374	30	
Naphthalene	0.651	0.100	"	0.999	ND	65.2	10-141		2.74	30	
Nitrobenzene	0.626	0.100	"	0.999	ND	62.6	10-131		1.03	30	
N-Nitrosodimethylamine	0.314	0.100	"	0.999	ND	31.4	10-126		6.03	30	
N-nitroso-di-n-propylamine	0.394	0.100	"	0.999	ND	39.4	10-125		2.60	30	
N-Nitrosodiphenylamine	0.755	0.100	"	0.999	ND	75.6	10-177		17.1	30	
Pentachlorophenol	0.266	0.100	"	0.999	ND	26.6	10-153		0.599	30	
Phenanthrene	0.819	0.100	"	0.999	0.115	70.5	10-148		8.23	30	
Phenol	ND	0.100	"	0.999	ND		10-126	Low Bias		30	
Pyrene	1.04	0.100	"	0.999	0.306	72.9	10-165		16.9	30	
Pyridine	0.284	0.400	"	0.999	ND	28.4	10-83		3.15	30	
Surrogate: SURR: 2-Fluorophenol	*1.13*		*"*	*2.00*		*56.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.985*		*"*	*2.00*		*49.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.592*		*"*	*0.999*		*59.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.661*		*"*	*0.999*		*66.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.52*		*"*	*2.00*		*76.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.698*		*"*	*0.999*		*69.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
Blank (BC21948-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
Blank (BC21948-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Surrogate: SURR: 2-Fluorophenol	*23.8*		*ug/L*	*50.0*		*47.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*14.6*		*"*	*50.0*		*29.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*25.0*		*"*	*25.0*		*100*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.1*		*"*	*25.0*		*80.5*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*36.1*		*"*	*50.0*		*72.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*22.2*		*"*	*25.0*		*88.6*	*30.7-106*				
Blank (BC21948-BLK2) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
Blank (BC21948-BLK2) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
LCS (BC21948-BS1) LCS								Prepared: 03/10/2022 Analyzed: 03/11/2022			
1,1-Biphenyl	19.6	5.00	ug/L	25.0		78.2	33-95				
1,2,4,5-Tetrachlorobenzene	16.3	5.00	"	25.0		65.4	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	23.4	5.00	"	25.0		93.5	16-141				
2,3,4,6-Tetrachlorophenol	22.5	5.00	"	25.0		89.9	30-130				
2,4,5-Trichlorophenol	19.0	5.00	"	25.0		76.0	32-114				
2,4,6-Trichlorophenol	19.1	5.00	"	25.0		76.2	35-118				
2,4-Dichlorophenol	17.9	5.00	"	25.0		71.5	25-116				
2,4-Dimethylphenol	16.4	5.00	"	25.0		65.5	15-116				
2,4-Dinitrophenol	28.2	5.00	"	25.0		113	10-170				
2,4-Dinitrotoluene	26.4	5.00	"	25.0		106	41-128				
2,6-Dinitrotoluene	25.4	5.00	"	25.0		101	45-116				
2-Chloronaphthalene	18.0	5.00	"	25.0		72.2	33-112				
2-Chlorophenol	17.4	5.00	"	25.0		69.7	15-120				
2-Methylnaphthalene	17.7	5.00	"	25.0		70.8	24-118				
2-Methylphenol	16.3	5.00	"	25.0		65.2	10-110				
2-Nitroaniline	23.7	5.00	"	25.0		94.6	34-129				
2-Nitrophenol	22.7	5.00	"	25.0		90.9	28-118				
3- & 4-Methylphenols	13.2	5.00	"	25.0		53.0	10-107				
3,3-Dichlorobenzidine	22.4	5.00	"	25.0		89.6	15-187				
3-Nitroaniline	21.5	5.00	"	25.0		86.1	24-134				
4,6-Dinitro-2-methylphenol	28.8	5.00	"	25.0		115	10-153				
4-Bromophenyl phenyl ether	15.1	5.00	"	25.0		60.4	34-120				
4-Chloro-3-methylphenol	20.1	5.00	"	25.0		80.3	20-120				
4-Chloroaniline	16.2	5.00	"	25.0		64.9	10-147				
4-Chlorophenyl phenyl ether	18.0	5.00	"	25.0		72.2	27-121				
4-Nitroaniline	21.6	5.00	"	25.0		86.6	13-134				
4-Nitrophenol	13.7	5.00	"	25.0		54.7	10-131				
Acetophenone	19.7	5.00	"	25.0		78.7	25-110				
Aniline	17.6	5.00	"	25.0		70.6	10-117				
Benzaldehyde	18.0	5.00	"	25.0		72.0	29-117				
Benzoic acid	4.17	5.00	"	25.0		16.7	30-130	Low Bias			
Benzyl alcohol	16.7	5.00	"	25.0		67.0	10-117				
Benzyl butyl phthalate	22.7	5.00	"	25.0		90.8	29-133				
Bis(2-chloroethoxy)methane	18.7	5.00	"	25.0		75.0	10-154				
Bis(2-chloroethyl)ether	19.2	5.00	"	25.0		76.6	17-125				
Bis(2-chloroisopropyl)ether	23.4	5.00	"	25.0		93.8	10-139				
Caprolactam	5.16	5.00	"	25.0		20.6	10-137				
Carbazole	21.2	5.00	"	25.0		84.8	42-126				
Dibenzofuran	19.0	5.00	"	25.0		76.0	36-113				
Diethyl phthalate	20.4	5.00	"	25.0		81.7	38-115				
Dimethyl phthalate	19.7	5.00	"	25.0		78.9	38-129				
Di-n-butyl phthalate	22.6	5.00	"	25.0		90.4	31-120				
Di-n-octyl phthalate	24.4	5.00	"	25.0		97.6	21-149				
Diphenylamine	19.7	5.00	"	25.0		78.9	40-140				
Hexachlorocyclopentadiene	8.00	10.0	"	25.0		32.0	10-130				
Isophorone	20.9	5.00	"	25.0		83.6	25-127				
N-nitroso-di-n-propylamine	21.9	5.00	"	25.0		87.5	26-122				
N-Nitrosodiphenylamine	19.5	5.00	"	25.0		77.9	23-149				
Phenol	7.85	5.00	"	25.0		31.4	10-110				
Pyridine	20.4	5.00	"	25.5		80.0	10-90				
Surrogate: SURR: 2-Fluorophenol	*21.8*		*"*	*50.0*		*43.7*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
LCS (BC21948-BS1) LCS								Prepared: 03/10/2022 Analyzed: 03/11/2022			
Surrogate: SURR: Phenol-d5	*13.6*		*ug/L*	*50.0*		*27.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*22.2*		*"*	*25.0*		*88.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.2*		*"*	*25.0*		*72.7*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*32.8*		*"*	*50.0*		*65.7*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*19.5*		*"*	*25.0*		*78.0*	*30.7-106*				
LCS (BC21948-BS2) LCS								Prepared: 03/10/2022 Analyzed: 03/11/2022			
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.630	0.0500	"	1.00		63.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.550	0.0500	"	1.00		55.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.670	0.0500	"	1.00		67.0	33-125				
Benzo(a)pyrene	0.420	0.0500	"	1.00		42.0	32-132				
Benzo(b)fluoranthene	0.540	0.0500	"	1.00		54.0	22-137				
Benzo(g,h,i)perylene	0.620	0.0500	"	1.00		62.0	10-138				
Benzo(k)fluoranthene	0.600	0.0500	"	1.00		60.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
LCS (BC21948-BS2) LCS							Prepared: 03/10/2022 Analyzed: 03/11/2022				
Bis(2-ethylhexyl)phthalate	0.880	0.500	ug/L	1.00		88.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.830	0.0500	"	1.00		83.0	32-124				
Dibenzo(a,h)anthracene	0.700	0.0500	"	1.00		70.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.750	0.0500	"	1.00		75.0	32-121				
Fluorene	0.730	0.0500	"	1.00		73.0	28-118				
Hexachlorobenzene	0.700	0.0200	"	1.00		70.0	23-124				
Hexachlorobutadiene	0.740	0.500	"	1.00		74.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.570	0.500	"	1.00		57.0	18-115				
Indeno(1,2,3-cd)pyrene	0.590	0.0500	"	1.00		59.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.660	0.0500	"	1.00		66.0	18-120				
Nitrobenzene	0.740	0.250	"	1.00		74.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	ND	0.250	"	1.00			10-156	Low Bias			
Phenanthrene	0.640	0.0500	"	1.00		64.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.670	0.0500	"	1.00		67.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
LCS Dup (BC21948-BSD1) LCS Dup								Prepared: 03/10/2022 Analyzed: 03/11/2022			
1,1-Biphenyl	23.0	5.00	ug/L	25.0		92.0	33-95		16.1	20	
1,2,4,5-Tetrachlorobenzene	19.2	5.00	"	25.0		76.8	26-120		16.1	20	
1,2-Diphenylhydrazine (as Azobenzene)	29.6	5.00	"	25.0		118	16-141		23.4	20	Non-dir.
2,3,4,6-Tetrachlorophenol	28.5	5.00	"	25.0		114	30-130		23.7	20	Non-dir.
2,4,5-Trichlorophenol	22.6	5.00	"	25.0		90.5	32-114		17.4	20	
2,4,6-Trichlorophenol	22.7	5.00	"	25.0		90.8	35-118		17.5	20	
2,4-Dichlorophenol	21.4	5.00	"	25.0		85.6	25-116		18.0	20	
2,4-Dimethylphenol	19.6	5.00	"	25.0		78.4	15-116		17.9	20	
2,4-Dinitrophenol	50.2	5.00	"	25.0		201	10-170	High Bias	56.0	20	Non-dir.
2,4-Dinitrotoluene	32.5	5.00	"	25.0		130	41-128	High Bias	20.9	20	Non-dir.
2,6-Dinitrotoluene	30.4	5.00	"	25.0		122	45-116	High Bias	18.1	20	
2-Chloronaphthalene	21.4	5.00	"	25.0		85.4	33-112		16.8	20	
2-Chlorophenol	20.6	5.00	"	25.0		82.6	15-120		16.9	20	
2-Methylnaphthalene	20.6	5.00	"	25.0		82.6	24-118		15.4	20	
2-Methylphenol	19.7	5.00	"	25.0		78.9	10-110		19.1	20	
2-Nitroaniline	28.6	5.00	"	25.0		114	34-129		18.9	20	
2-Nitrophenol	26.9	5.00	"	25.0		108	28-118		17.0	20	
3- & 4-Methylphenols	15.9	5.00	"	25.0		63.7	10-107		18.4	20	
3,3-Dichlorobenzidine	26.7	5.00	"	25.0		107	15-187		17.6	20	
3-Nitroaniline	24.2	5.00	"	25.0		96.9	24-134		11.8	20	
4,6-Dinitro-2-methylphenol	37.7	5.00	"	25.0		151	10-153		26.9	20	Non-dir.
4-Bromophenyl phenyl ether	17.9	5.00	"	25.0		71.7	34-120		17.1	20	
4-Chloro-3-methylphenol	24.3	5.00	"	25.0		97.2	20-120		19.1	20	
4-Chloroaniline	17.0	5.00	"	25.0		68.1	10-147		4.81	20	
4-Chlorophenyl phenyl ether	21.9	5.00	"	25.0		87.5	27-121		19.1	20	
4-Nitroaniline	25.2	5.00	"	25.0		101	13-134		15.1	20	
4-Nitrophenol	17.9	5.00	"	25.0		71.6	10-131		26.7	20	Non-dir.
Acetophenone	23.5	5.00	"	25.0		94.0	25-110		17.7	20	
Aniline	18.6	5.00	"	25.0		74.6	10-117		5.51	20	
Benzaldehyde	21.4	5.00	"	25.0		85.7	29-117		17.3	20	
Benzoic acid	8.46	5.00	"	25.0		33.8	30-130		67.9	20	Non-dir.
Benzyl alcohol	19.0	5.00	"	25.0		76.0	10-117		12.6	20	
Benzyl butyl phthalate	29.0	5.00	"	25.0		116	29-133		24.2	20	Non-dir.
Bis(2-chloroethoxy)methane	22.8	5.00	"	25.0		91.0	10-154		19.3	20	
Bis(2-chloroethyl)ether	23.5	5.00	"	25.0		93.8	17-125		20.2	20	Non-dir.
Bis(2-chloroisopropyl)ether	29.6	5.00	"	25.0		118	10-139		23.1	20	Non-dir.
Caprolactam	5.96	5.00	"	25.0		23.8	10-137		14.4	20	
Carbazole	25.5	5.00	"	25.0		102	42-126		18.4	20	
Dibenzofuran	22.8	5.00	"	25.0		91.4	36-113		18.4	20	
Diethyl phthalate	24.9	5.00	"	25.0		99.7	38-115		19.9	20	
Dimethyl phthalate	23.8	5.00	"	25.0		95.2	38-129		18.7	20	
Di-n-butyl phthalate	28.0	5.00	"	25.0		112	31-120		21.4	20	Non-dir.
Di-n-octyl phthalate	31.4	5.00	"	25.0		126	21-149		25.1	20	Non-dir.
Diphenylamine	23.8	5.00	"	25.0		95.3	40-140		18.8	20	
Hexachlorocyclopentadiene	9.59	10.0	"	25.0		38.4	10-130		18.1	20	
Isophorone	25.5	5.00	"	25.0		102	25-127		19.8	20	
N-nitroso-di-n-propylamine	27.3	5.00	"	25.0		109	26-122		22.1	20	Non-dir.
N-Nitrosodiphenylamine	23.2	5.00	"	25.0		92.8	23-149		17.4	20	
Phenol	9.30	5.00	"	25.0		37.2	10-110		16.9	20	
Pyridine	18.4	5.00	"	25.5		72.1	10-90		10.4	20	
Surrogate: SURR: 2-Fluorophenol	*26.7*		*"*	*50.0*		*53.3*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21948 - EPA 3510C											
LCS Dup (BC21948-BSD1) LCS Dup									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Surrogate: SURR: Phenol-d5	*17.0*		*ug/L*	*50.0*		*34.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*27.7*		*"*	*25.0*		*111*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*22.0*		*"*	*25.0*		*88.0*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*40.5*		*"*	*50.0*		*81.0*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*24.5*		*"*	*25.0*		*97.8*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21947 - EPA 3550C												
Blank (BC21947-BLK1)	Blank									Prepared: 03/10/2022 Analyzed: 03/14/2022		
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*436*		*"*	*495*		*88.0*	*39-127.5*				
LCS (BC21947-BS1)	LCS									Prepared: 03/10/2022 Analyzed: 03/14/2022		
1,4-Dioxane		476	19.8	ug/kg	495		96.2	40-130				
Surrogate: 1,4-Dioxane-d8		*267*		*"*	*495*		*54.0*	*39-127.5*				
Matrix Spike (BC21947-MS1)	Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)								Prepared: 03/10/2022 Analyzed: 03/14/2022		
1,4-Dioxane		464	19.8	ug/kg	495	ND	93.8	40-130				
Surrogate: 1,4-Dioxane-d8		*317*		*"*	*495*		*64.0*	*40-130*				
Matrix Spike Dup (BC21947-M	Matrix Spike Dup	*Source sample: 22C0563-02 (EP24_7.5)								Prepared: 03/10/2022 Analyzed: 03/14/2022		
1,4-Dioxane		466	19.8	ug/kg	495	ND	94.2	40-130		0.426	30	
Surrogate: 1,4-Dioxane-d8		*337*		*"*	*495*		*68.0*	*40-130*				
Batch BC21997 - EPA 3535A												
Blank (BC21997-BLK1)	Blank									Prepared: 03/11/2022 Analyzed: 03/15/2022		
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BC21997-BS1)	LCS									Prepared: 03/11/2022 Analyzed: 03/15/2022		
1,4-Dioxane		4.38	0.300	ug/L	4.00		110	50-130				
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BC21997-MS1)	Matrix Spike	*Source sample: 22C0545-01 (Matrix Spike)								Prepared: 03/11/2022 Analyzed: 03/15/2022		
1,4-Dioxane		4.00	0.300	ug/L	4.00	ND	100	50-130				
Surrogate: 1,4-Dioxane-d8		*4.00*		*"*	*4.00*		*100*	*50-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21997 - EPA 3535A											
Matrix Spike Dup (BC21997-M Matrix Spike Dup	*Source sample: 22C0545-01 (Matrix Spike Dup)								Prepared: 03/11/2022 Analyzed: 03/15/2022		
1,4-Dioxane	4.18	0.300	ug/L	4.00	ND	104	50-130		4.31	30	
Surrogate: 1,4-Dioxane-d8	*3.52*		*"*	*4.00*		*88.0*	*50-130*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21898 - EPA SW846-3510C Low Level											
LCS (BC21898-BS1) LCS									Prepared: 03/10/2022 Analyzed: 03/11/2022		
4,4'-DDD	0.0865	0.00400	ug/L	0.100		86.5	40-140				
4,4'-DDE	0.0716	0.00400	"	0.100		71.6	40-140				
4,4'-DDT	0.0902	0.00400	"	0.100		90.2	40-140				
Aldrin	0.0713	0.00400	"	0.100		71.3	40-140				
alpha-BHC	0.0835	0.00400	"	0.100		83.5	40-140				
alpha-Chlordane	0.0773	0.00400	"	0.100		77.3	40-140				
beta-BHC	0.0747	0.00400	"	0.100		74.7	40-140				
delta-BHC	0.0768	0.00400	"	0.100		76.8	40-140				
Dieldrin	0.0815	0.00200	"	0.100		81.5	40-140				
Endosulfan I	0.0824	0.00400	"	0.100		82.4	40-140				
Endosulfan II	0.0779	0.00400	"	0.100		77.9	40-140				
Endosulfan sulfate	0.0656	0.00400	"	0.100		65.6	40-140				
Endrin	0.0912	0.00400	"	0.100		91.2	40-140				
Endrin aldehyde	0.0994	0.0100	"	0.100		99.4	40-140				
Endrin ketone	0.0990	0.0100	"	0.100		99.0	40-140				
gamma-BHC (Lindane)	0.0876	0.00400	"	0.100		87.6	40-140				
gamma-Chlordane	0.0799	0.0100	"	0.100		79.9	40-140				
Heptachlor	0.0900	0.00400	"	0.100		90.0	40-140				
Heptachlor epoxide	0.0791	0.00400	"	0.100		79.1	40-140				
Methoxychlor	0.110	0.00400	"	0.100		110	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0832*		*"*	*0.200*		*41.6*	*30-150*				
LCS Dup (BC21898-BSD1) LCS Dup									Prepared: 03/10/2022 Analyzed: 03/11/2022		
4,4'-DDD	0.0867	0.00400	ug/L	0.100		86.7	40-140		0.301	20	
4,4'-DDE	0.0698	0.00400	"	0.100		69.8	40-140		2.57	20	
4,4'-DDT	0.0937	0.00400	"	0.100		93.7	40-140		3.78	20	
Aldrin	0.0678	0.00400	"	0.100		67.8	40-140		5.05	20	
alpha-BHC	0.0796	0.00400	"	0.100		79.6	40-140		4.84	20	
alpha-Chlordane	0.0741	0.00400	"	0.100		74.1	40-140		4.23	20	
beta-BHC	0.0723	0.00400	"	0.100		72.3	40-140		3.18	20	
delta-BHC	0.0747	0.00400	"	0.100		74.7	40-140		2.75	20	
Dieldrin	0.0792	0.00200	"	0.100		79.2	40-140		2.95	20	
Endosulfan I	0.0789	0.00400	"	0.100		78.9	40-140		4.26	20	
Endosulfan II	0.0767	0.00400	"	0.100		76.7	40-140		1.51	20	
Endosulfan sulfate	0.0648	0.00400	"	0.100		64.8	40-140		1.24	20	
Endrin	0.0898	0.00400	"	0.100		89.8	40-140		1.56	20	
Endrin aldehyde	0.0965	0.0100	"	0.100		96.5	40-140		3.00	20	
Endrin ketone	0.0983	0.0100	"	0.100		98.3	40-140		0.651	20	
gamma-BHC (Lindane)	0.0835	0.00400	"	0.100		83.5	40-140		4.75	20	
gamma-Chlordane	0.0766	0.0100	"	0.100		76.6	40-140		4.18	20	
Heptachlor	0.0852	0.00400	"	0.100		85.2	40-140		5.53	20	
Heptachlor epoxide	0.0756	0.00400	"	0.100		75.6	40-140		4.49	20	
Methoxychlor	0.115	0.00400	"	0.100		115	40-140		4.55	20	
Surrogate: Tetrachloro-m-xylene	*0.0775*		*"*	*0.200*		*38.7*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21999 - EPA 3550C											
Blank (BC21999-BLK1) Blank								Prepared: 03/11/2022 Analyzed: 03/13/2022			
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.100*		*"*	*0.0664*		*151*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0694*		*"*	*0.0664*		*104*	*30-150*				
LCS (BC21999-BS1) LCS								Prepared: 03/11/2022 Analyzed: 03/13/2022			
4,4'-DDD	0.0438	0.00164	mg/kg wet	0.0332		132	40-140				
4,4'-DDE	0.0375	0.00164	"	0.0332		113	40-140				
4,4'-DDT	0.0317	0.00164	"	0.0332		95.5	40-140				
Aldrin	0.0445	0.00164	"	0.0332		134	40-140				
alpha-BHC	0.0456	0.00164	"	0.0332		137	40-140				
alpha-Chlordane	0.0437	0.00164	"	0.0332		132	40-140				
beta-BHC	0.0419	0.00164	"	0.0332		126	40-140				
delta-BHC	0.0395	0.00164	"	0.0332		119	40-140				
Dieldrin	0.0438	0.00164	"	0.0332		132	40-140				
Endosulfan I	0.0454	0.00164	"	0.0332		137	40-140				
Endosulfan II	0.0429	0.00164	"	0.0332		129	40-140				
Endosulfan sulfate	0.0377	0.00164	"	0.0332		113	40-140				
Endrin	0.0416	0.00164	"	0.0332		125	40-140				
Endrin aldehyde	0.0606	0.00164	"	0.0332		183	40-140	High Bias			
Endrin ketone	0.0531	0.00164	"	0.0332		160	40-140	High Bias			
gamma-BHC (Lindane)	0.0459	0.00164	"	0.0332		138	40-140				
gamma-Chlordane	0.0438	0.00164	"	0.0332		132	40-140				
Heptachlor	0.0428	0.00164	"	0.0332		129	40-140				
Heptachlor epoxide	0.0446	0.00164	"	0.0332		134	40-140				
Methoxychlor	0.0417	0.00164	"	0.0332		126	40-140				
Surrogate: Decachlorobiphenyl	*0.0961*		*"*	*0.0664*		*145*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0665*		*"*	*0.0664*		*100*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21898 - EPA SW846-3510C Low Level											
Blank (BC21898-BLK2) Blank								Prepared & Analyzed: 03/10/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.167*		"	*0.200*		*83.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.167*		"	*0.200*		*83.5*	*30-120*				
LCS (BC21898-BS2) LCS								Prepared & Analyzed: 03/10/2022			
Aroclor 1016	0.926	0.0500	ug/L	1.00		92.6	40-120				
Aroclor 1260	0.922	0.0500	"	1.00		92.2	40-120				
Surrogate: Tetrachloro-m-xylene	*0.152*		"	*0.200*		*76.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.109*		"	*0.200*		*54.5*	*30-120*				
LCS Dup (BC21898-BSD2) LCS Dup								Prepared & Analyzed: 03/10/2022			
Aroclor 1016	0.833	0.0500	ug/L	1.00		83.3	40-120		10.6	30	
Aroclor 1260	0.809	0.0500	"	1.00		80.9	40-120		13.1	30	
Surrogate: Tetrachloro-m-xylene	*0.135*		"	*0.200*		*67.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.118*		"	*0.200*		*59.0*	*30-120*				
Batch BC21999 - EPA 3550C											
Blank (BC21999-BLK2) Blank								Prepared & Analyzed: 03/11/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0621*		"	*0.0664*		*93.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0701*		"	*0.0664*		*106*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21999 - EPA 3550C											
LCS (BC21999-BS2) LCS							Prepared & Analyzed: 03/11/2022				
Aroclor 1016	0.281	0.0166	mg/kg wet	0.332		84.6	40-140			30	
Aroclor 1260	0.329	0.0166	"	0.332		99.1	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0565*		*"*	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0654*		*"*	*0.0664*		*98.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21945 - EPA 3550C/8151A											
Blank (BC21945-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0992*		*"*	*0.417*		*23.8*	*21-150*				
LCS (BC21945-BS1) LCS									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	0.0333	0.0200	mg/kg wet	0.133		25.0	10-120				
2,4,5-TP (Silvex)	0.0325	0.0200	"	0.133		24.4	10-120				
2,4-D	0.0425	0.0200	"	0.133		31.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.169*		*"*	*0.417*		*40.6*	*21-150*				
Matrix Spike (BC21945-MS1) Matrix Spike *Source sample: 22C0329-09 (Matrix Spike)									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	0.101	0.0227	mg/kg dry	0.152	ND	66.9	10-120				
2,4,5-TP (Silvex)	0.104	0.0227	"	0.152	ND	68.8	10-120				
2,4-D	0.124	0.0227	"	0.152	ND	81.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.351*		*"*	*0.474*		*74.2*	*21-150*				
Matrix Spike (BC21945-MS2) Matrix Spike *Source sample: 22C0563-02 (EP24_7.5)									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	0.104	0.0241	mg/kg dry	0.160	ND	65.0	10-120				
2,4,5-TP (Silvex)	0.102	0.0241	"	0.160	ND	63.7	10-120				
2,4-D	0.122	0.0241	"	0.160	ND	76.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.363*		*"*	*0.501*		*72.4*	*21-150*				
Matrix Spike Dup (BC21945-M Matrix Spike Dup *Source sample: 22C0329-09 (Matrix Spike Dup)									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	0.0919	0.0227	mg/kg dry	0.152	ND	60.6	10-120		9.80	35	
2,4,5-TP (Silvex)	0.0947	0.0227	"	0.152	ND	62.5	10-120		9.52	35	
2,4-D	0.115	0.0227	"	0.152	ND	75.6	10-118		7.94	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.320*		*"*	*0.474*		*67.6*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21945 - EPA 3550C/8151A											
Matrix Spike Dup (BC21945-M Matrix Spike Dup *Source sample: 22C0563-02 (EP24_7.5)									Prepared: 03/10/2022 Analyzed: 03/11/2022		
2,4,5-T	0.107	0.0241	mg/kg dry	0.160	ND	66.9	10-120		2.84	35	
2,4,5-TP (Silvex)	0.105	0.0241	"	0.160	ND	65.6	10-120		2.90	35	
2,4-D	0.125	0.0241	"	0.160	ND	78.1	10-118		2.43	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.343*		*"*	*0.501*		*68.4*	*21-150*				
Batch BC21949 - EPA 8151A											
Blank (BC21949-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/14/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*87.5*		*"*	*125*		*70.0*	*30-150*				
LCS (BC21949-BS1) LCS									Prepared: 03/10/2022 Analyzed: 03/14/2022		
2,4,5-T	20.8	5.00	ug/L	40.0		51.9	10-140				
2,4,5-TP (Silvex)	20.5	5.00	"	40.0		51.2	10-139				
2,4-D	24.5	5.00	"	40.0		61.2	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*74.2*		*"*	*125*		*59.4*	*30-150*				
LCS Dup (BC21949-BSD1) LCS Dup									Prepared: 03/10/2022 Analyzed: 03/14/2022		
2,4,5-T	19.2	5.00	ug/L	40.0		48.1	10-140		7.50	30	
2,4,5-TP (Silvex)	19.0	5.00	"	40.0		47.5	10-139		7.59	30	
2,4-D	22.5	5.00	"	40.0		56.2	10-140		8.51	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*68.0*		*"*	*125*		*54.4*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21957 - EPA 3015A											
Blank (BC21957-BLK1) Blank									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.189	0.0556	"								
Chromium	0.00608	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BC21957-BS1) LCS									Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	2.02		ug/mL	2.00		101	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	1.34		"	1.00		134	80-120	High Bias			
Chromium	0.195		"	0.200		97.6	80-120				
Cobalt	0.493		"	0.500		98.5	80-120				
Copper	0.259		"	0.250		103	80-120				
Iron	1.13		"	1.00		113	80-120				
Lead	0.492		"	0.500		98.5	80-120				
Magnesium	1.10		"	1.00		110	80-120				
Manganese	0.501		"	0.500		100	80-120				
Nickel	0.479		"	0.500		95.8	80-120				
Potassium	0.775		"	1.00		77.5	80-120	Low Bias			
Silver	0.0501		"	0.0500		100	80-120				
Sodium	1.13		"	1.00		113	80-120				
Vanadium	0.490		"	0.500		97.9	80-120				
Zinc	0.486		"	0.500		97.2	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21957 - EPA 3015A											
Duplicate (BC21957-DUP1) Duplicate	*Source sample: 22C0564-11 (Duplicate)								Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	ND	0.0556	mg/L		0.130					20	
Barium	ND	0.0278	"		ND					20	
Calcium	0.110	0.0556	"		0.159				36.2	20	Non-dir.
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	0.0719	0.0556	"		0.0758				5.22	20	
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	
Matrix Spike (BC21957-MS1) Matrix Spike	*Source sample: 22C0564-11 (Matrix Spike)								Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	2.15	0.0556	mg/L	2.22	0.130	90.8	75-125				
Barium	2.15	0.0278	"	2.22	ND	96.8	75-125				
Calcium	1.27	0.0556	"	1.11	0.159	99.9	75-125				
Chromium	0.204	0.00556	"	0.222	ND	91.9	75-125				
Cobalt	0.520	0.00444	"	0.556	ND	93.7	75-125				
Copper	0.288	0.0222	"	0.278	ND	104	75-125				
Iron	1.17	0.278	"	1.11	ND	105	75-125				
Lead	0.523	0.00556	"	0.556	ND	94.1	75-125				
Magnesium	1.15	0.0556	"	1.11	ND	104	75-125				
Manganese	0.535	0.00556	"	0.556	ND	96.2	75-125				
Nickel	0.513	0.0111	"	0.556	ND	92.4	75-125				
Potassium	1.26	0.0556	"	1.11	0.0758	106	75-125				
Silver	0.0532	0.00556	"	0.0556	ND	95.8	75-125				
Sodium	1.30	0.556	"	1.11	ND	117	75-125				
Vanadium	0.515	0.0111	"	0.556	ND	92.7	75-125				
Zinc	0.510	0.0278	"	0.556	ND	91.8	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21957 - EPA 3015A											
Post Spike (BC21957-PS1) Post Spike	*Source sample: 22C0564-11 (Post Spike)							Prepared: 03/10/2022 Analyzed: 03/11/2022			
Aluminum	2.05		ug/mL	2.00	0.117	96.7	75-125				
Barium	2.10		"	2.00	0.000208	105	75-125				
Calcium	1.18		"	1.00	0.143	104	75-125				
Chromium	0.200		"	0.200	0.00447	97.6	75-125				
Cobalt	0.508		"	0.500	-0.000603	102	75-125				
Copper	0.282		"	0.250	0.00113	112	75-125				
Iron	1.12		"	1.00	0.0316	109	75-125				
Lead	0.510		"	0.500	0.00130	102	75-125				
Magnesium	1.09		"	1.00	-0.00457	109	75-125				
Manganese	0.522		"	0.500	0.000411	104	75-125				
Nickel	0.498		"	0.500	0.00363	98.8	75-125				
Potassium	1.01		"	1.00	0.0682	94.6	75-125				
Silver	0.0248		"	0.0500	-0.000410	49.7	75-125	Low Bias			
Sodium	1.21		"	1.00	0.158	106	75-125				
Vanadium	0.499		"	0.500	-0.000241	99.8	75-125				
Zinc	0.499		"	0.500	0.0175	96.3	75-125				
Batch BC21964 - EPA 3050B											
Blank (BC21964-BLK1) Blank								Prepared: 03/10/2022 Analyzed: 03/11/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21964 - EPA 3050B											
Duplicate (BC21964-DUP1) Duplicate	*Source sample: 22C0563-02 (EP24_7.5)								Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	7330	6.02	mg/kg dry		5950				20.8	35	
Antimony	4.22	3.01	"		10.7				86.6	35	Non-dir.
Arsenic	ND	1.80	"		3.48					35	
Barium	75.3	3.01	"		59.2				24.0	35	
Beryllium	ND	0.060	"		ND					35	
Cadmium	ND	0.361	"		ND					35	
Calcium	2590	6.02	"		9610				115	35	Non-dir.
Chromium	62.9	0.602	"		36.4				53.5	35	Non-dir.
Cobalt	32.4	0.481	"		16.2				66.6	35	Non-dir.
Copper	42.1	2.41	"		50.5				18.0	35	
Iron	18200	30.1	"		16500				9.79	35	
Lead	99.5	0.602	"		133				28.5	35	
Magnesium	23800	6.02	"		14500				48.5	35	Non-dir.
Manganese	164	0.602	"		180				9.19	35	
Nickel	507	1.20	"		237				72.7	35	Non-dir.
Potassium	1070	6.02	"		832				24.9	35	
Selenium	4.56	3.01	"		ND					35	
Silver	ND	0.602	"		ND					35	
Sodium	238	60.2	"		547				78.7	35	Non-dir.
Thallium	ND	3.01	"		ND					35	
Vanadium	25.1	1.20	"		22.3				12.0	35	
Zinc	107	3.01	"		123				14.7	35	
Matrix Spike (BC21964-MS1) Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)								Prepared: 03/10/2022 Analyzed: 03/11/2022		
Aluminum	7550	6.02	mg/kg dry	241	5950	665	75-125	High Bias			
Antimony	10.3	3.01	"	30.1	10.7	NR	75-125	Low Bias			
Arsenic	236	1.80	"	241	3.48	96.5	75-125				
Barium	320	3.01	"	241	59.2	108	75-125				
Beryllium	5.56	0.060	"	6.02	ND	92.4	75-125				
Cadmium	5.47	0.361	"	6.02	ND	91.0	75-125				
Calcium	3810	6.02	"	120	9610	NR	75-125	Low Bias			
Chromium	84.0	0.602	"	24.1	36.4	198	75-125	High Bias			
Cobalt	98.1	0.481	"	60.2	16.2	136	75-125	High Bias			
Copper	77.2	2.41	"	30.1	50.5	89.0	75-125				
Iron	20000	30.1	"	120	16500	NR	75-125	High Bias			
Lead	167	0.602	"	60.2	133	56.8	75-125	Low Bias			
Magnesium	29600	6.02	"	120	14500	NR	75-125	High Bias			
Manganese	384	0.602	"	60.2	180	340	75-125	High Bias			
Nickel	640	1.20	"	60.2	237	670	75-125	High Bias			
Potassium	1030	6.02	"	120	832	165	75-125	High Bias			
Selenium	197	3.01	"	241	ND	82.1	75-125				
Silver	6.14	0.602	"	6.02	ND	102	75-125				
Sodium	348	60.2	"	120	547	NR	75-125	Low Bias			
Thallium	221	3.01	"	241	ND	91.8	75-125				
Vanadium	84.5	1.20	"	60.2	22.3	103	75-125				
Zinc	175	3.01	"	60.2	123	86.4	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21964 - EPA 3050B											
Post Spike (BC21964-PS1) Post Spike	*Source sample: 22C0563-02 (EP24_7.5)							Prepared: 03/10/2022 Analyzed: 03/11/2022			
Aluminum	53.5		ug/mL	2.00	49.5	203	75-125	High Bias			
Antimony	0.457		"	0.250	0.089	147	75-125	High Bias			
Arsenic	2.54		"	2.00	0.029	126	75-125	High Bias			
Barium	3.20		"	2.00	0.492	135	75-125	High Bias			
Beryllium	0.060		"	0.0500	-0.005	120	75-125				
Cadmium	0.062		"	0.0500	0.002	121	75-125				
Calcium	84.2		"	1.00	79.9	426	75-125	High Bias			
Chromium	0.557		"	0.200	0.302	127	75-125	High Bias			
Cobalt	0.792		"	0.500	0.135	131	75-125	High Bias			
Copper	0.752		"	0.250	0.420	133	75-125	High Bias			
Iron	144		"	1.00	137	639	75-125	High Bias			
Lead	1.78		"	0.500	1.10	135	75-125	High Bias			
Magnesium	127		"	1.00	121	610	75-125	High Bias			
Manganese	2.18		"	0.500	1.49	137	75-125	High Bias			
Nickel	2.68		"	0.500	1.97	143	75-125	High Bias			
Potassium	8.33		"	1.00	6.91	142	75-125	High Bias			
Selenium	2.12		"	2.00	-0.013	106	75-125				
Silver	0.031		"	0.0500	0.002	58.2	75-125	Low Bias			
Sodium	6.12		"	1.00	4.55	158	75-125	High Bias			
Thallium	2.40		"	2.00	-0.013	120	75-125				
Vanadium	0.842		"	0.500	0.185	131	75-125	High Bias			
Zinc	1.71		"	0.500	1.03	136	75-125	High Bias			
Reference (BC21964-SRM1) Reference								Prepared: 03/10/2022 Analyzed: 03/11/2022			
Aluminum	10100	5.00	mg/kg wet	10100		100	39.5-118.8				
Antimony	83.7	2.50	"	244		34.3	10-123				
Arsenic	112	1.50	"	109		103	63.7-118.3				
Barium	420	2.50	"	364		116	70.3-117				
Beryllium	60.1	0.050	"	57.0		106	69.3-115.4				
Cadmium	49.8	0.300	"	48.7		102	67.8-112.9				
Calcium	5550	5.00	"	5190		107	66.3-116.6				
Chromium	182	0.500	"	173		105	65.3-120.8				
Cobalt	168	0.400	"	148		114	70.3-117.6				
Copper	214	2.00	"	179		120	70.9-117.9	High Bias			
Iron	17200	25.0	"	15000		115	36.8-162.7				
Lead	112	0.500	"	101		111	69.1-126.7				
Magnesium	2800	5.00	"	2570		109	56.4-124.9				
Manganese	418	0.500	"	370		113	72.2-119.2				
Nickel	69.7	1.00	"	52.2		134	63.4-117.8	High Bias			
Potassium	2420	5.00	"	2420		100	49.6-118.6				
Selenium	65.8	2.50	"	104		63.2	58.5-122.1				
Silver	31.0	0.500	"	29.9		104	63.5-123.7				
Sodium	171	50.0	"	161		106	30.1-139.1				
Thallium	95.5	2.50	"	101		94.6	59.8-120.8				
Vanadium	206	1.00	"	194		106	73.2-117				
Zinc	465	2.50	"	431		108	74.9-121.1				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21961 - EPA 3015A											
Blank (BC21961-BLK1) Blank										Prepared: 03/10/2022 Analyzed: 03/11/2022	
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BC21961-BS1) LCS										Prepared: 03/10/2022 Analyzed: 03/11/2022	
Antimony	47.9		ug/L	50.0		95.8	80-120				
Arsenic	47.1		"	50.0		94.3	80-120				
Beryllium	47.0		"	50.0		94.0	80-120				
Cadmium	51.9		"	50.0		104	80-120				
Selenium	48.7		"	50.0		97.3	80-120				
Thallium	46.8		"	50.0		93.6	80-120				
Duplicate (BC21961-DUP1) Duplicate	*Source sample: 22C0617-05 (Duplicate)									Prepared: 03/10/2022 Analyzed: 03/11/2022	
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	ND	0.00111	"		ND					20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00249	0.00111	"		0.00279				11.1	20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BC21961-MS1) Matrix Spike	*Source sample: 22C0617-05 (Matrix Spike)									Prepared: 03/10/2022 Analyzed: 03/11/2022	
Antimony	44.0		ug/L	50.0	-0.009	88.1	75-125				
Arsenic	46.7		"	50.0	-0.031	93.3	75-125				
Beryllium	50.1		"	50.0	-0.001	100	75-125				
Cadmium	43.8		"	50.0	0.012	87.5	75-125				
Selenium	45.9		"	50.0	2.51	86.9	75-125				
Thallium	50.3		"	50.0	0.003	101	75-125				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21883 - EPA SW846-7470A												
Blank (BC21883-BLK1)	Blank								Prepared & Analyzed: 03/09/2022			
Mercury		ND	0.0002	mg/L								
LCS (BC21883-BS1)	LCS								Prepared & Analyzed: 03/09/2022			
Mercury		0.0020519	0.0002	mg/L	0.00200		103	80-120				
LCS (BC21883-BS2)	LCS								Prepared & Analyzed: 03/09/2022			
Mercury		0.0021030	0.0002	mg/L	0.00200		105	80-120				
Batch BC22025 - EPA 7473 soil												
Blank (BC22025-BLK1)	Blank								Prepared & Analyzed: 03/11/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC22025-DUP1)	Duplicate	*Source sample: 22C0563-02 (EP24_7.5)							Prepared & Analyzed: 03/11/2022			
Mercury		0.545	0.0361	mg/kg dry		0.453				18.3	35	
Matrix Spike (BC22025-MS1)	Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)							Prepared & Analyzed: 03/11/2022			
Mercury		0.960		mg/kg	0.500	0.377	117	75-125				
Reference (BC22025-SRM1)	Reference								Prepared & Analyzed: 03/11/2022			
Mercury		34.542		mg/kg	27.2		127	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21889 - Analysis Preparation												
Blank (BC21889-BLK1)	Blank									Prepared & Analyzed: 03/09/2022		
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BC21889-BS1)	LCS									Prepared & Analyzed: 03/09/2022		
Chromium, Hexavalent		0.485	0.0100	mg/L	0.500		97.0	80-120				
Duplicate (BC21889-DUP1)	Duplicate	*Source sample: 22C0586-13 (Duplicate)								Prepared & Analyzed: 03/09/2022		
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BC21889-MS1)	Matrix Spike	*Source sample: 22C0586-13 (Matrix Spike)								Prepared & Analyzed: 03/09/2022		
Chromium, Hexavalent		0.429	0.0100	mg/L	0.500	ND	85.8	75-125				
Batch BC21923 - EPA SW846-3060												
Blank (BC21923-BLK1)	Blank									Prepared & Analyzed: 03/10/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC21923-DUP1)	Duplicate	*Source sample: 22C0563-02 (EP24_7.5)								Prepared & Analyzed: 03/10/2022		
Chromium, Hexavalent		ND	0.602	mg/kg dry		ND					35	
Matrix Spike (BC21923-MS1)	Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)								Prepared & Analyzed: 03/10/2022		
Chromium, Hexavalent		ND	0.602	mg/kg dry	24.1	ND		75-125	Low Bias			
Reference (BC21923-SRM1)	Reference									Prepared & Analyzed: 03/10/2022		
Chromium, Hexavalent		44.2		mg/L	109		40.5	30-169.7				
Batch BC22013 - EPA SW846-3060												
Blank (BC22013-BLK1)	Blank									Prepared & Analyzed: 03/11/2022		
Chromium, Hexavalent		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22013 - EPA SW846-3060												
Duplicate (BC22013-DUP1)	Duplicate	*Source sample: 22C0448-01 (Duplicate)								Prepared & Analyzed: 03/11/2022		
Chromium, Hexavalent		ND	0.515	mg/kg dry		ND					35	
Matrix Spike (BC22013-MS1)	Matrix Spike	*Source sample: 22C0448-01 (Matrix Spike)								Prepared & Analyzed: 03/11/2022		
Chromium, Hexavalent		14.6	0.515	mg/kg dry	20.6	ND	71.0	75-125	Low Bias			
Reference (BC22013-SRM1)	Reference									Prepared & Analyzed: 03/11/2022		
Chromium, Hexavalent		68.2		mg/L	109		62.6	30-169.7				
Batch BC22037 - Analysis Preparation Soil												
Blank (BC22037-BLK1)	Blank									Prepared & Analyzed: 03/11/2022		
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC22037-DUP1)	Duplicate	*Source sample: 22C0401-07 (Duplicate)								Prepared & Analyzed: 03/11/2022		
Cyanide, total		ND	0.550	mg/kg dry		ND					15	
Duplicate (BC22037-DUP2)	Duplicate	*Source sample: 22C0563-02 (EP24_7.5)								Prepared & Analyzed: 03/11/2022		
Cyanide, total		ND	0.602	mg/kg dry		ND					15	
Matrix Spike (BC22037-MS1)	Matrix Spike	*Source sample: 22C0401-07 (Matrix Spike)								Prepared & Analyzed: 03/11/2022		
Cyanide, total		8.96	0.550	mg/kg dry	11.0	ND	81.5	79.6-107				
Matrix Spike (BC22037-MS2)	Matrix Spike	*Source sample: 22C0563-02 (EP24_7.5)								Prepared & Analyzed: 03/11/2022		
Cyanide, total		10.2	0.602	mg/kg dry	12.0	ND	84.6	79.6-107				
Reference (BC22037-SRM1)	Reference									Prepared & Analyzed: 03/11/2022		
Cyanide, total		92.8		ug/mL	86.8		107	41.82-157.83				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22125 - Analysis Preparation												
Blank (BC22125-BLK1)	Blank									Prepared & Analyzed: 03/14/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BC22125-BS1)	LCS									Prepared & Analyzed: 03/14/2022		
Cyanide, total		0.184	0.0100	mg/L	0.200		91.8	80-120				
Duplicate (BC22125-DUP1)	Duplicate	*Source sample: 22C0563-04 (FB04_03092022)								Prepared & Analyzed: 03/14/2022		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BC22125-MS1)	Matrix Spike	*Source sample: 22C0563-04 (FB04_03092022)								Prepared & Analyzed: 03/14/2022		
Cyanide, total		0.185	0.0100	mg/L	0.200	ND	92.5	79-105				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22054 - % Solids Prep											
Duplicate (BC22054-DUP1) Duplicate	*Source sample: 22C0563-02 (EP24_7.5)							Prepared & Analyzed: 03/11/2022			
% Solids	82.5	0.100	%		83.1				0.796	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0563-01	EP23_7.5	40mL Vial with Stir Bar-Cool 4° C
22C0563-02	EP24_7.5	40mL 01_Clear Vial Cool to 4° C
22C0563-03	DUP04_03092022	40mL Vial with Stir Bar-Cool 4° C
22C0563-04	FB04_03092022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C0563-06	TB04_03092022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
VOA-REN	Two Encore samples were provided for VOA analysis. Both were consumed in analysis for reruns. A sample from a non-Encore container was utilized for final analysis. The data may be biased low.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-SRD1	The serial dilution for this element was outside control limits.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0563

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	✓
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	✓
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
~~NY ASP B Package~~ ✓	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP23_7.5	S	3/9/22 9:28	TCL Part 375 VOCs and SVOCs, PCBs, Pesticides herbicides, metals including cyanide, hex + trivalent chromium, PFAS, 1-4-dioxide	
EP24_7.5	↓	9:40	↓	MS/MSD
DUP04_03092022	↓	↓	↓	
FB04_03092022	other AQ	3/9/22 1107	*	
FB01_PFAS_03092022	↓	3/9/22 1042	PFAS	
TB04_03092022	↓	↓ 1054	VOCs	

Comments: Please include (cs mail@langan.com, and maronick@langan.com for all correspondence.

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Paul Bogger / Langan	3/9/22 1203	Gilbert	3/9/22 12:30	Gilbert	3/9/22 12:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
FB 3/9/22	12:30	FB	3/9/22 1945		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	3/9/22 1945 / 1.3 Degrees C

Technical Report

prepared for:

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

Report Date: 03/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0623

Report Date: 03/15/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0623

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 10, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0623-01	EP43_7.5	Soil	03/10/2022	03/10/2022
22C0623-02	EP44_7.5	Soil	03/10/2022	03/10/2022
22C0623-03	EP45_7.5	Soil	03/10/2022	03/10/2022
22C0623-04	EP54_7.5	Soil	03/10/2022	03/10/2022
22C0623-05	FB01_PFAS_03102022	Water	03/10/2022	03/10/2022
22C0623-06	EP23_7.5	Soil	03/10/2022	03/10/2022
22C0623-07	EP24_7.5	Soil	03/10/2022	03/10/2022
22C0623-08	DUP04_03102022	Soil	03/10/2022	03/10/2022

General Notes for York Project (SDG) No.: 22C0623

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

Approved By **Date:** 03/15/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0066**	J	mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.0038**	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.0086**	J	mg/kg dry	0.0046	0.0091	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.012**	J	mg/kg dry	0.0068	0.014	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0697**	J	mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.216**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.195**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.171**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0966**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.149**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.208**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.474**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.108**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.237**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.399**		mg/kg dry	0.0455	0.0909	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D	03/11/2022 07:33	03/12/2022 19:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*53.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*55.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*55.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*24.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*47.0 %*	*24-116*

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/14/2022 08:08	03/14/2022 19:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*74.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.268	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*81.6 %*	*25-150*
Surrogate: M5PFHxA	*88.9 %*	*25-150*
Surrogate: M4PFHpA	*88.1 %*	*25-150*
Surrogate: M3PFHxS	*92.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*83.7 %*	*25-150*
Surrogate: M7PFUdA	*74.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*80.9 %*	*25-150*
Surrogate: M2PFTeDA	*57.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*96.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*55.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*80.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*115 %*	*25-150*
Surrogate: M2-6:2 FTS	*119 %*	*25-200*
Surrogate: M2-8:2 FTS	*73.3 %*	*25-200*
Surrogate: M9PFNA	*106 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:13	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:13	CM

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:13	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*134 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*33.9 %*	*30-150*

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	03/11/2022 07:30	03/12/2022 01:43	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*122 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0217	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0217	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0217	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:48	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*81.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3310**		mg/kg dry	5.54	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.89**		mg/kg dry	1.66	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**16.6**		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11800**		mg/kg dry	5.54	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**10.8**		mg/kg dry	0.554	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.37**		mg/kg dry	0.443	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**9.99**		mg/kg dry	2.22	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**10700**		mg/kg dry	27.7	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**24.1**		mg/kg dry	0.554	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5500**		mg/kg dry	5.54	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**95.2**		mg/kg dry	0.554	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**22.6**		mg/kg dry	1.11	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**838**	B	mg/kg dry	5.54	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**331**		mg/kg dry	55.4	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**12.2**		mg/kg dry	1.11	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**27.1**		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:28	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP43_7.5 **York Sample ID:** 22C0623-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:05 am	03/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.114**		mg/kg dry	0.0332	1	EPA 7473	03/14/2022 09:51	03/14/2022 15:21	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.554	1	EPA 7196A	03/14/2022 09:06	03/14/2022 17:52	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**10.8**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 18:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.554	1	EPA 9014/9010C	03/14/2022 10:56	03/14/2022 18:05	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	03/14/2022 11:47	03/14/2022 14:25	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.025**		mg/kg dry	0.0046	0.0092	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0058**	J	mg/kg dry	0.0046	0.0092	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	03/11/2022 06:17	03/11/2022 23:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.182	0.365	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0728**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.0684**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.0604**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.0488**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	Carbazole	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.0728**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.155**		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.0669**	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.139**		mg/kg dry	0.0456	0.0910	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*63.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*62.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*37.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*58.0 %*	*24-116*

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/14/2022 08:08	03/14/2022 19:19	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*64.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.273**		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:34	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.6 %*	*25-150*
Surrogate: M5PFHxA	*87.4 %*	*25-150*
Surrogate: M4PFHpA	*92.9 %*	*25-150*
Surrogate: M3PFHxS	*99.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*105 %*	*25-150*
Surrogate: M6PFDA	*86.6 %*	*25-150*
Surrogate: M7PFUdA	*77.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*74.2 %*	*25-150*
Surrogate: M2PFTeDA	*55.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*90.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*95.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*38.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*96.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*96.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*107 %*	*25-200*
Surrogate: M2-8:2 FTS	*93.1 %*	*25-200*
Surrogate: M9PFNA	*117 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:30	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:30	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:30	CM

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:30	CM
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.0 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*21.5 %*	S-GC	*30-150*

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:12	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:58	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:58	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	03/12/2022 07:48	03/14/2022 15:58	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*86.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2830**		mg/kg dry	5.53	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.66	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**17.4**		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**6140**		mg/kg dry	5.53	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**8.84**		mg/kg dry	0.553	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**3.08**		mg/kg dry	0.442	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**7.38**		mg/kg dry	2.21	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**9540**		mg/kg dry	27.7	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**18.3**		mg/kg dry	0.553	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1890**		mg/kg dry	5.53	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**88.5**		mg/kg dry	0.553	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**12.8**		mg/kg dry	1.11	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**717**	B	mg/kg dry	5.53	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**255**		mg/kg dry	55.3	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**9.98**		mg/kg dry	1.11	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**24.2**		mg/kg dry	2.77	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP44_7.5 **York Sample ID:** 22C0623-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:10 am	03/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473	03/14/2022 09:51	03/14/2022 15:30	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A	03/14/2022 09:06	03/14/2022 17:52	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**8.84**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 18:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C	03/14/2022 10:56	03/14/2022 18:05	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.4**		%	0.100	1	SM 2540G	03/14/2022 11:47	03/14/2022 14:25	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0099**		mg/kg dry	0.0043	0.0086	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	03/11/2022 06:17	03/12/2022 00:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.9 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0720**	J	mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0842**	J	mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.237**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.207**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.162**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0773**	J	mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.171**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.218**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.534**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.111**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.330**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.402**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	03/11/2022 07:33	03/12/2022 20:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.3 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*63.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*64.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.6 %*	*24-116*

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/14/2022 08:08	03/14/2022 19:36	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:47	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*95.6 %*	*25-150*
Surrogate: M5PFHxA	*94.9 %*	*25-150*
Surrogate: M4PFHpA	*88.7 %*	*25-150*
Surrogate: M3PFHxS	*93.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.9 %*	*25-150*
Surrogate: M6PFDA	*96.1 %*	*25-150*
Surrogate: M7PFUdA	*83.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*84.9 %*	*25-150*
Surrogate: M2PFTeDA	*61.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*89.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*110 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*55.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*97.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*120 %*	*25-150*
Surrogate: M2-6:2 FTS	*94.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*60.0 %*	*25-200*
Surrogate: M9PFNA	*119 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/13/2022 15:30	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/13/2022 15:30	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00192	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/13/2022 15:30	CM

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.192	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0384	5	EPA 8081B	03/11/2022 07:30	03/13/2022 15:30	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*136 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.1 %*	*30-150*

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:26	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*108 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*121 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0233	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:09	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0233	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:09	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0233	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:09	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*81.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4180**		mg/kg dry	5.84	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.92	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**2.58**		mg/kg dry	1.75	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**41.5**		mg/kg dry	2.92	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.350	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3440**		mg/kg dry	5.84	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**17.4**		mg/kg dry	0.584	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.34**		mg/kg dry	0.467	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**32.3**		mg/kg dry	2.34	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**10200**		mg/kg dry	29.2	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**102**		mg/kg dry	0.584	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3070**		mg/kg dry	5.84	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**192**		mg/kg dry	0.584	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**56.6**		mg/kg dry	1.17	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**684**	B	mg/kg dry	5.84	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.584	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**231**		mg/kg dry	58.4	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.92	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**16.8**		mg/kg dry	1.17	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**48.0**		mg/kg dry	2.92	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP45_7.5 **York Sample ID:** 22C0623-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:15 am	03/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.555**		mg/kg dry	0.0350	1	EPA 7473	03/14/2022 09:51	03/14/2022 15:39	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.584	1	EPA 7196A	03/14/2022 09:06	03/14/2022 17:52	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.4**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 18:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.584	1	EPA 9014/9010C	03/14/2022 10:56	03/14/2022 18:05	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.7**		%	0.100	1	SM 2540G	03/14/2022 11:47	03/14/2022 14:25	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	03/14/2022 06:10	03/14/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.6 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.186	0.371	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0726**	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.371	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.428**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.414**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.283**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.187**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.271**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.417**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0637**	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.640**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.214**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.227**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.768**		mg/kg dry	0.0465	0.0927	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.371	2	EPA 8270D	03/11/2022 07:33	03/12/2022 21:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*70.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*67.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*71.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*62.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*48.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*64.1 %*	*24-116*

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/14/2022 08:08	03/14/2022 19:52	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.558**		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 15:59	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.2 %*	*25-150*
Surrogate: M5PFHxA	*86.0 %*	*25-150*
Surrogate: M4PFHpA	*92.3 %*	*25-150*
Surrogate: M3PFHxS	*86.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.3 %*	*25-150*
Surrogate: M6PFDA	*94.9 %*	*25-150*
Surrogate: M7PFUdA	*72.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*79.0 %*	*25-150*
Surrogate: M2PFTeDA	*64.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*90.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*98.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*92.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*27.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*122 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*109 %*	*25-150*
Surrogate: M2-6:2 FTS	*135 %*	*25-200*
Surrogate: M2-8:2 FTS	*115 %*	*25-200*
Surrogate: M9PFNA	*114 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:47	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:47	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2022 07:30	03/14/2022 14:47	CM

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.374	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0748	5	EPA 8081B	03/11/2022 07:30	03/14/2022 14:47	CM
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*23.0 %*	S-GC	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.8 %*		*30-150*

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0378	1	EPA 8082A	03/11/2022 07:30	03/14/2022 16:39	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*106 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A	03/12/2022 07:48	03/14/2022 16:20	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*83.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11700**		mg/kg dry	5.71	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.29**		mg/kg dry	2.85	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.97**		mg/kg dry	1.71	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**56.2**		mg/kg dry	2.85	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.342	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8570**		mg/kg dry	5.71	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.1**		mg/kg dry	0.571	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**14.3**		mg/kg dry	0.456	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**84.4**		mg/kg dry	2.28	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17800**		mg/kg dry	28.5	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**103**		mg/kg dry	0.571	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9630**		mg/kg dry	5.71	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**251**		mg/kg dry	0.571	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**130**		mg/kg dry	1.14	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1040**	B	mg/kg dry	5.71	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**1230**		mg/kg dry	57.1	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**46.1**		mg/kg dry	1.14	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**54.8**		mg/kg dry	2.85	1	EPA 6010D	03/11/2022 20:52	03/14/2022 17:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP54_7.5 **York Sample ID:** 22C0623-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 10:30 am	03/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.351**		mg/kg dry	0.0342	1	EPA 7473	03/14/2022 09:51	03/14/2022 15:48	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	03/14/2022 09:06	03/14/2022 17:52	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.1**		mg/kg	0.500	1	Calculation	03/11/2022 15:14	03/14/2022 18:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.571	1	EPA 9014/9010C	03/14/2022 10:56	03/14/2022 18:05	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.6**		%	0.100	1	SM 2540G	03/14/2022 11:47	03/14/2022 14:25	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB01_PFAS_03102022 **York Sample ID:** 22C0623-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Water	March 10, 2022 10:50 am	03/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/14/2022 14:56	03/15/2022 18:14	WL

Sample Information

Client Sample ID: FB01_PFAS_03102022 **York Sample ID:** 22C0623-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Water	March 10, 2022 10:50 am	03/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	03/14/2022 14:56	03/15/2022 18:14	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*101 %*	*25-150*
Surrogate: M5PFHxA	*101 %*	*25-150*
Surrogate: M4PFHpA	*108 %*	*25-150*
Surrogate: M3PFHxS	*111 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*106 %*	*25-150*
Surrogate: M6PFDA	*108 %*	*25-150*
Surrogate: M7PFUdA	*116 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*106 %*	*25-150*
Surrogate: M2PFTeDA	*85.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*103 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*126 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*105 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*35.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*98.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*122 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*111 %*	*25-200*
Surrogate: M9PFNA	*122 %*	*25-150*

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0623-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 12:25 pm	03/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:11	WL

Sample Information

Client Sample ID: EP23_7.5 **York Sample ID:** 22C0623-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 12:25 pm	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
	Surrogate: M3PFBS	*90.1 %*		*25-150*						
	Surrogate: M5PFHxA	*96.5 %*		*25-150*						
	Surrogate: M4PFHpA	*92.9 %*		*25-150*						
	Surrogate: M3PFHxS	*89.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.1 %*		*25-150*						
	Surrogate: M6PFDA	*87.4 %*		*25-150*						
	Surrogate: M7PFUdA	*78.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*84.2 %*		*25-150*						
	Surrogate: M2PFTeDA	*58.2 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*91.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.3 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*51.6 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*105 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*112 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*96.6 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*73.9 %*		*25-200*						
	Surrogate: M9PFNA	*110 %*		*25-150*						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.8**		%	0.100	1	SM 2540G	03/15/2022 16:05	03/15/2022 16:08	JTG
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0623-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 12:30 pm	03/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL

Sample Information

Client Sample ID: EP24_7.5 **York Sample ID:** 22C0623-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 12:30 pm	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.310	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 16:23	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.9 %*	*25-150*
Surrogate: M5PFHxA	*85.8 %*	*25-150*
Surrogate: M4PFHpA	*86.5 %*	*25-150*
Surrogate: M3PFHxS	*99.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.9 %*	*25-150*
Surrogate: M6PFDA	*96.9 %*	*25-150*
Surrogate: M7PFUdA	*76.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.7 %*	*25-150*
Surrogate: M2PFTeDA	*62.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*86.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*92.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*108 %*	*25-150*
Surrogate: M2-6:2 FTS	*82.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*111 %*	*25-200*
Surrogate: M9PFNA	*110 %*	*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.2**		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 16:05	03/15/2022 16:08	JTG

Sample Information

Client Sample ID: DUP04_03102022 **York Sample ID:** 22C0623-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 1:36 pm	03/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL

Sample Information

Client Sample ID: DUP04_03102022 **York Sample ID:** 22C0623-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0623	170610601	Soil	March 10, 2022 1:36 pm	03/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	03/11/2022 17:36	03/15/2022 17:12	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.9 %*	*25-150*
Surrogate: M5PFHxA	*93.3 %*	*25-150*
Surrogate: M4PFHpA	*91.8 %*	*25-150*
Surrogate: M3PFHxS	*104 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.6 %*	*25-150*
Surrogate: M6PFDA	*78.2 %*	*25-150*
Surrogate: M7PFUdA	*70.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.9 %*	*25-150*
Surrogate: M2PFTeDA	*55.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*93.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*102 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*85.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*73.7 %*	*25-200*
Surrogate: M9PFNA	*95.4 %*	*25-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.7**		%	0.100	1	SM 2540G Certifications: CTDOH	03/15/2022 16:05	03/15/2022 16:08	JTG

Analytical Batch Summary

Batch ID: BC21999 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22
BC21999-BLK1	Blank	03/11/22
BC21999-BLK2	Blank	03/11/22
BC21999-BS1	LCS	03/11/22
BC21999-BS2	LCS	03/11/22

Batch ID: BC22000 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22
BC22000-BLK1	Blank	03/11/22
BC22000-BS1	LCS	03/11/22
BC22000-MS1	Matrix Spike	03/11/22
BC22000-MSD1	Matrix Spike Dup	03/11/22

Batch ID: BC22034 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
BC22034-BLK1	Blank	03/11/22
BC22034-BLK2	Blank	03/11/22
BC22034-BLK3	Blank	03/11/22
BC22034-BLK4	Blank	03/11/22
BC22034-BS1	LCS	03/11/22
BC22034-BSD1	LCS Dup	03/11/22

Batch ID: BC22041 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/12/22
22C0623-02	EP44_7.5	03/12/22
22C0623-03	EP45_7.5	03/12/22

22C0623-04	EP54_7.5	03/12/22
BC22041-BLK1	Blank	03/12/22
BC22041-BS1	LCS	03/12/22
BC22041-MS1	Matrix Spike	03/12/22
BC22041-MSD1	Matrix Spike Dup	03/12/22

Batch ID: BC22043 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22

Batch ID: BC22066 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22
22C0623-06	EP23_7.5	03/11/22
22C0623-07	EP24_7.5	03/11/22
22C0623-08	DUP04_03102022	03/11/22
BC22066-BLK1	Blank	03/11/22
BC22066-BS1	LCS	03/11/22
BC22066-MS1	Matrix Spike	03/11/22
BC22066-MS2	Matrix Spike	03/11/22
BC22066-MSD1	Matrix Spike Dup	03/11/22
BC22066-MSD2	Matrix Spike Dup	03/11/22

Batch ID: BC22081 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/11/22
22C0623-02	EP44_7.5	03/11/22
22C0623-03	EP45_7.5	03/11/22
22C0623-04	EP54_7.5	03/11/22
BC22081-BLK1	Blank	03/11/22
BC22081-DUP1	Duplicate	03/11/22
BC22081-MS1	Matrix Spike	03/11/22
BC22081-PS1	Post Spike	03/11/22
BC22081-SRM1	Reference	03/11/22

Batch ID: BC22099 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/14/22
22C0623-02	EP44_7.5	03/14/22

22C0623-03	EP45_7.5	03/14/22
22C0623-04	EP54_7.5	03/14/22
BC22099-BLK1	Blank	03/14/22
BC22099-BS1	LCS	03/14/22
BC22099-MS1	Matrix Spike	03/14/22
BC22099-MSD1	Matrix Spike Dup	03/14/22

Batch ID: BC22116 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/14/22
22C0623-02	EP44_7.5	03/14/22
22C0623-03	EP45_7.5	03/14/22
22C0623-04	EP54_7.5	03/14/22
BC22116-BLK1	Blank	03/14/22
BC22116-DUP1	Duplicate	03/14/22
BC22116-MS1	Matrix Spike	03/14/22
BC22116-SRM1	Reference	03/14/22

Batch ID: BC22120 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/14/22
22C0623-02	EP44_7.5	03/14/22
22C0623-03	EP45_7.5	03/14/22
22C0623-04	EP54_7.5	03/14/22
BC22120-BLK1	Blank	03/14/22
BC22120-DUP1	Duplicate	03/14/22
BC22120-MS1	Matrix Spike	03/14/22
BC22120-SRM1	Reference	03/14/22

Batch ID: BC22124 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/14/22
22C0623-02	EP44_7.5	03/14/22
22C0623-03	EP45_7.5	03/14/22
22C0623-04	EP54_7.5	03/14/22
BC22124-BLK1	Blank	03/14/22
BC22124-DUP1	Duplicate	03/14/22
BC22124-MS1	Matrix Spike	03/14/22
BC22124-SRM1	Reference	03/14/22

Batch ID: BC22132 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-01	EP43_7.5	03/14/22
22C0623-02	EP44_7.5	03/14/22
22C0623-03	EP45_7.5	03/14/22

22C0623-04	EP54_7.5	03/14/22
BC22132-DUP1	Duplicate	03/14/22

Batch ID: BC22135 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-04	EP54_7.5	03/14/22
BC22135-BLK1	Blank	03/14/22
BC22135-BLK2	Blank	03/14/22
BC22135-BS1	LCS	03/14/22
BC22135-BSD1	LCS Dup	03/14/22
BC22135-MS1	Matrix Spike	03/14/22
BC22135-MS2	Matrix Spike	03/14/22
BC22135-MSD1	Matrix Spike Dup	03/14/22
BC22135-MSD2	Matrix Spike Dup	03/14/22

Batch ID: BC22159 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-05	FB01_PFAS_03102022	03/14/22
BC22159-BLK1	Blank	03/14/22

Batch ID: BC22257 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0623-06	EP23_7.5	03/15/22
22C0623-07	EP24_7.5	03/15/22
22C0623-08	DUP04_03102022	03/15/22
BC22257-DUP1	Duplicate	03/15/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK1) Blank									Prepared & Analyzed: 03/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK1) Blank									Prepared & Analyzed: 03/11/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				
Blank (BC22034-BLK2) HB22C0563									Prepared & Analyzed: 03/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK2) HB22C0563									Prepared & Analyzed: 03/11/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK3) HB22C0369									Prepared & Analyzed: 03/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK3) HB22C0369								Prepared & Analyzed: 03/11/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				
Blank (BC22034-BLK4) HB22C0623								Prepared & Analyzed: 03/11/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
Blank (BC22034-BLK4) HB22C0623								Prepared & Analyzed: 03/11/2022			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS (BC22034-BS1) LCS							Prepared & Analyzed: 03/11/2022				
1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.4	75-129				
1,1,1-Trichloroethane	45.1		"	50.0		90.2	71-137				
1,1,2,2-Tetrachloroethane	49.2		"	50.0		98.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.3		"	50.0		84.6	58-146				
1,1,2-Trichloroethane	49.8		"	50.0		99.6	83-123				
1,1-Dichloroethane	45.2		"	50.0		90.3	75-130				
1,1-Dichloroethylene	41.0		"	50.0		81.9	64-137				
1,2,3-Trichlorobenzene	48.6		"	50.0		97.3	81-140				
1,2,3-Trichloropropane	48.7		"	50.0		97.3	81-126				
1,2,4-Trichlorobenzene	48.4		"	50.0		96.7	80-141				
1,2,4-Trimethylbenzene	45.6		"	50.0		91.2	84-125				
1,2-Dibromo-3-chloropropane	48.2		"	50.0		96.4	74-142				
1,2-Dibromoethane	50.8		"	50.0		102	86-123				
1,2-Dichlorobenzene	47.7		"	50.0		95.4	85-122				
1,2-Dichloroethane	49.1		"	50.0		98.1	71-133				
1,2-Dichloropropane	48.9		"	50.0		97.8	81-122				
1,3,5-Trimethylbenzene	45.1		"	50.0		90.2	82-126				
1,3-Dichlorobenzene	46.8		"	50.0		93.5	84-124				
1,4-Dichlorobenzene	47.5		"	50.0		94.9	84-124				
1,4-Dioxane	979		"	1050		93.2	10-228				
2-Butanone	43.9		"	50.0		87.9	58-147				
2-Hexanone	48.4		"	50.0		96.8	70-139				
4-Methyl-2-pentanone	51.4		"	50.0		103	72-132				
Acetone	36.1		"	50.0		72.2	36-155				
Acrolein	38.7		"	50.0		77.3	10-238				
Acrylonitrile	44.2		"	50.0		88.3	66-141				
Benzene	46.2		"	50.0		92.5	77-127				
Bromochloromethane	47.6		"	50.0		95.1	74-129				
Bromodichloromethane	47.7		"	50.0		95.4	81-124				
Bromoform	52.0		"	50.0		104	80-136				
Bromomethane	39.9		"	50.0		79.8	32-177				
Carbon disulfide	40.2		"	50.0		80.5	10-136				
Carbon tetrachloride	45.2		"	50.0		90.3	66-143				
Chlorobenzene	49.7		"	50.0		99.4	86-120				
Chloroethane	50.2		"	50.0		100	51-142				
Chloroform	47.6		"	50.0		95.2	76-131				
Chloromethane	36.3		"	50.0		72.5	49-132				
cis-1,2-Dichloroethylene	45.6		"	50.0		91.1	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		97.0	81-129				
Cyclohexane	41.8		"	50.0		83.6	70-130				
Dibromochloromethane	49.6		"	50.0		99.3	10-200				
Dibromomethane	47.5		"	50.0		95.1	83-124				
Dichlorodifluoromethane	29.0		"	50.0		57.9	28-158				
Ethyl Benzene	47.0		"	50.0		94.0	84-125				
Hexachlorobutadiene	46.7		"	50.0		93.4	83-133				
Isopropylbenzene	47.0		"	50.0		94.0	81-127				
Methyl acetate	40.7		"	50.0		81.4	41-143				
Methyl tert-butyl ether (MTBE)	52.9		"	50.0		106	74-131				
Methylcyclohexane	43.3		"	50.0		86.6	70-130				
Methylene chloride	45.9		"	50.0		91.8	57-141				
n-Butylbenzene	45.3		"	50.0		90.7	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS (BC22034-BS1) LCS								Prepared & Analyzed: 03/11/2022			
n-Propylbenzene	45.4		ug/L	50.0		90.9	74-136				
o-Xylene	48.7		"	50.0		97.3	83-123				
p- & m- Xylenes	95.3		"	100		95.3	82-128				
p-Isopropyltoluene	46.7		"	50.0		93.3	85-125				
sec-Butylbenzene	45.0		"	50.0		90.0	83-125				
Styrene	46.8		"	50.0		93.6	86-126				
tert-Butyl alcohol (TBA)	276		"	250		110	70-130				
tert-Butylbenzene	46.5		"	50.0		92.9	80-127				
Tetrachloroethylene	43.4		"	50.0		86.7	80-129				
Toluene	46.0		"	50.0		92.1	85-121				
trans-1,2-Dichloroethylene	44.1		"	50.0		88.1	72-132				
trans-1,3-Dichloropropylene	49.2		"	50.0		98.3	78-132				
Trichloroethylene	45.8		"	50.0		91.7	84-123				
Trichlorofluoromethane	42.7		"	50.0		85.4	62-140				
Vinyl Chloride	40.6		"	50.0		81.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				
LCS Dup (BC22034-BSD1) LCS Dup								Prepared & Analyzed: 03/11/2022			
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.1	75-129		4.61	30	
1,1,1-Trichloroethane	43.8		"	50.0		87.6	71-137		2.88	30	
1,1,2,2-Tetrachloroethane	47.5		"	50.0		95.0	79-129		3.49	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.3		"	50.0		80.7	58-146		4.82	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.0	83-123		5.85	30	
1,1-Dichloroethane	43.5		"	50.0		86.9	75-130		3.84	30	
1,1-Dichloroethylene	40.2		"	50.0		80.5	64-137		1.82	30	
1,2,3-Trichlorobenzene	47.4		"	50.0		94.8	81-140		2.56	30	
1,2,3-Trichloropropane	46.9		"	50.0		93.9	81-126		3.62	30	
1,2,4-Trichlorobenzene	47.7		"	50.0		95.3	80-141		1.48	30	
1,2,4-Trimethylbenzene	43.9		"	50.0		87.8	84-125		3.80	30	
1,2-Dibromo-3-chloropropane	46.5		"	50.0		93.1	74-142		3.53	30	
1,2-Dibromoethane	48.5		"	50.0		96.9	86-123		4.62	30	
1,2-Dichlorobenzene	45.8		"	50.0		91.6	85-122		4.02	30	
1,2-Dichloroethane	47.1		"	50.0		94.1	71-133		4.16	30	
1,2-Dichloropropane	45.9		"	50.0		91.9	81-122		6.28	30	
1,3,5-Trimethylbenzene	43.7		"	50.0		87.4	82-126		3.20	30	
1,3-Dichlorobenzene	44.9		"	50.0		89.8	84-124		4.08	30	
1,4-Dichlorobenzene	45.3		"	50.0		90.6	84-124		4.66	30	
1,4-Dioxane	956		"	1050		91.0	10-228		2.39	30	
2-Butanone	43.6		"	50.0		87.1	58-147		0.846	30	
2-Hexanone	46.3		"	50.0		92.5	70-139		4.54	30	
4-Methyl-2-pentanone	48.7		"	50.0		97.4	72-132		5.36	30	
Acetone	34.7		"	50.0		69.5	36-155		3.90	30	
Acrolein	38.3		"	50.0		76.5	10-238		1.04	30	
Acrylonitrile	44.0		"	50.0		88.0	66-141		0.318	30	
Benzene	44.6		"	50.0		89.3	77-127		3.52	30	
Bromochloromethane	46.2		"	50.0		92.5	74-129		2.77	30	
Bromodichloromethane	45.7		"	50.0		91.3	81-124		4.41	30	
Bromoform	50.2		"	50.0		100	80-136		3.46	30	
Bromomethane	39.3		"	50.0		78.5	32-177		1.59	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22034 - EPA 5035A											
LCS Dup (BC22034-BSD1) LCS Dup								Prepared & Analyzed: 03/11/2022			
Carbon disulfide	38.6		ug/L	50.0		77.1	10-136		4.29	30	
Carbon tetrachloride	43.6		"	50.0		87.1	66-143		3.61	30	
Chlorobenzene	47.3		"	50.0		94.6	86-120		4.95	30	
Chloroethane	48.8		"	50.0		97.7	51-142		2.77	30	
Chloroform	46.5		"	50.0		93.1	76-131		2.29	30	
Chloromethane	36.0		"	50.0		72.1	49-132		0.609	30	
cis-1,2-Dichloroethylene	44.7		"	50.0		89.4	74-132		1.95	30	
cis-1,3-Dichloropropylene	46.9		"	50.0		93.8	81-129		3.29	30	
Cyclohexane	40.0		"	50.0		80.0	70-130		4.40	30	
Dibromochloromethane	47.8		"	50.0		95.5	10-200		3.86	30	
Dibromomethane	45.9		"	50.0		91.9	83-124		3.42	30	
Dichlorodifluoromethane	28.2		"	50.0		56.5	28-158		2.59	30	
Ethyl Benzene	44.6		"	50.0		89.3	84-125		5.17	30	
Hexachlorobutadiene	46.2		"	50.0		92.4	83-133		1.05	30	
Isopropylbenzene	45.1		"	50.0		90.3	81-127		4.08	30	
Methyl acetate	39.4		"	50.0		78.7	41-143		3.27	30	
Methyl tert-butyl ether (MTBE)	51.3		"	50.0		103	74-131		3.09	30	
Methylcyclohexane	41.5		"	50.0		83.0	70-130		4.18	30	
Methylene chloride	43.9		"	50.0		87.9	57-141		4.34	30	
n-Butylbenzene	42.9		"	50.0		85.8	80-130		5.49	30	
n-Propylbenzene	43.6		"	50.0		87.3	74-136		4.02	30	
o-Xylene	47.0		"	50.0		94.1	83-123		3.36	30	
p- & m- Xylenes	91.2		"	100		91.2	82-128		4.34	30	
p-Isopropyltoluene	44.4		"	50.0		88.9	85-125		4.87	30	
sec-Butylbenzene	43.7		"	50.0		87.5	83-125		2.84	30	
Styrene	44.9		"	50.0		89.8	86-126		4.08	30	
tert-Butyl alcohol (TBA)	272		"	250		109	70-130		1.31	30	
tert-Butylbenzene	44.8		"	50.0		89.5	80-127		3.75	30	
Tetrachloroethylene	41.7		"	50.0		83.3	80-129		3.95	30	
Toluene	43.8		"	50.0		87.6	85-121		5.05	30	
trans-1,2-Dichloroethylene	42.7		"	50.0		85.4	72-132		3.11	30	
trans-1,3-Dichloropropylene	46.8		"	50.0		93.5	78-132		5.01	30	
Trichloroethylene	43.6		"	50.0		87.1	84-123		5.12	30	
Trichlorofluoromethane	41.2		"	50.0		82.4	62-140		3.55	30	
Vinyl Chloride	38.6		"	50.0		77.1	52-130		5.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.4*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Blank (BC22135-BLK1) Blank									Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

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

Batch BC22135 - EPA 5035A

Blank (BC22135-BLK1) Blank — Prepared & Analyzed: 03/14/2022

n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.3*		*"*	*50.0*		*96.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.6*	*76-130*				

Blank (BC22135-BLK2) HB22C0328 — Prepared & Analyzed: 03/14/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Blank (BC22135-BLK2) HB22C0328								Prepared & Analyzed: 03/14/2022			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*ug/L*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS (BC22135-BS1) LCS								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	45.3		ug/L	50.0		90.6	75-129				
1,1,1-Trichloroethane	43.0		"	50.0		86.1	71-137				
1,1,2,2-Tetrachloroethane	44.7		"	50.0		89.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.8		"	50.0		77.7	58-146				
1,1,2-Trichloroethane	45.4		"	50.0		90.8	83-123				
1,1-Dichloroethane	42.9		"	50.0		85.8	75-130				
1,1-Dichloroethylene	38.9		"	50.0		77.8	64-137				
1,2,3-Trichlorobenzene	43.7		"	50.0		87.3	81-140				
1,2,3-Trichloropropane	43.3		"	50.0		86.7	81-126				
1,2,4-Trichlorobenzene	43.6		"	50.0		87.1	80-141				
1,2,4-Trimethylbenzene	41.6		"	50.0		83.1	84-125	Low Bias			
1,2-Dibromo-3-chloropropane	43.3		"	50.0		86.6	74-142				
1,2-Dibromoethane	46.2		"	50.0		92.4	86-123				
1,2-Dichlorobenzene	43.2		"	50.0		86.3	85-122				
1,2-Dichloroethane	46.0		"	50.0		92.0	71-133				
1,2-Dichloropropane	45.2		"	50.0		90.3	81-122				
1,3,5-Trimethylbenzene	41.3		"	50.0		82.6	82-126				
1,3-Dichlorobenzene	42.5		"	50.0		84.9	84-124				
1,4-Dichlorobenzene	43.1		"	50.0		86.2	84-124				
1,4-Dioxane	892		"	1050		85.0	10-228				
2-Butanone	38.0		"	50.0		76.0	58-147				
2-Hexanone	43.0		"	50.0		85.9	70-139				
4-Methyl-2-pentanone	46.5		"	50.0		93.1	72-132				
Acetone	33.8		"	50.0		67.7	36-155				
Acrolein	35.6		"	50.0		71.2	10-238				
Acrylonitrile	41.7		"	50.0		83.5	66-141				
Benzene	43.5		"	50.0		87.0	77-127				
Bromochloromethane	46.1		"	50.0		92.1	74-129				
Bromodichloromethane	45.2		"	50.0		90.5	81-124				
Bromoform	50.2		"	50.0		100	80-136				
Bromomethane	41.9		"	50.0		83.7	32-177				
Carbon disulfide	37.1		"	50.0		74.3	10-136				
Carbon tetrachloride	44.1		"	50.0		88.3	66-143				
Chlorobenzene	46.0		"	50.0		91.9	86-120				
Chloroethane	51.1		"	50.0		102	51-142				
Chloroform	45.1		"	50.0		90.1	76-131				
Chloromethane	34.2		"	50.0		68.4	49-132				
cis-1,2-Dichloroethylene	43.3		"	50.0		86.5	74-132				
cis-1,3-Dichloropropylene	46.3		"	50.0		92.6	81-129				
Cyclohexane	38.9		"	50.0		77.8	70-130				
Dibromochloromethane	46.8		"	50.0		93.6	10-200				
Dibromomethane	44.6		"	50.0		89.1	83-124				
Dichlorodifluoromethane	23.8		"	50.0		47.6	28-158				
Ethyl Benzene	43.5		"	50.0		87.0	84-125				
Hexachlorobutadiene	41.9		"	50.0		83.8	83-133				
Isopropylbenzene	42.7		"	50.0		85.4	81-127				
Methyl acetate	38.0		"	50.0		76.0	41-143				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131				
Methylcyclohexane	39.3		"	50.0		78.6	70-130				
Methylene chloride	42.7		"	50.0		85.4	57-141				
n-Butylbenzene	41.2		"	50.0		82.4	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS (BC22135-BS1) LCS								Prepared & Analyzed: 03/14/2022			
n-Propylbenzene	41.2		ug/L	50.0		82.4	74-136				
o-Xylene	45.2		"	50.0		90.5	83-123				
p- & m- Xylenes	88.8		"	100		88.8	82-128				
p-Isopropyltoluene	42.4		"	50.0		84.7	85-125	Low Bias			
sec-Butylbenzene	41.6		"	50.0		83.1	83-125				
Styrene	43.2		"	50.0		86.3	86-126				
tert-Butyl alcohol (TBA)	281		"	250		112	70-130				
tert-Butylbenzene	42.3		"	50.0		84.6	80-127				
Tetrachloroethylene	39.2		"	50.0		78.4	80-129	Low Bias			
Toluene	42.6		"	50.0		85.1	85-121				
trans-1,2-Dichloroethylene	41.4		"	50.0		82.9	72-132				
trans-1,3-Dichloropropylene	48.1		"	50.0		96.2	78-132				
Trichloroethylene	42.8		"	50.0		85.6	84-123				
Trichlorofluoromethane	44.8		"	50.0		89.6	62-140				
Vinyl Chloride	39.1		"	50.0		78.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.5*	*76-130*				
LCS Dup (BC22135-BSD1) LCS Dup								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	53.1		ug/L	50.0		106	75-129		15.9	30	
1,1,1-Trichloroethane	55.4		"	50.0		111	71-137		25.2	30	
1,1,2,2-Tetrachloroethane	51.3		"	50.0		103	79-129		13.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.5		"	50.0		109	58-146		33.6	30	Non-dir.
1,1,2-Trichloroethane	51.5		"	50.0		103	83-123		12.6	30	
1,1-Dichloroethane	54.2		"	50.0		108	75-130		23.3	30	
1,1-Dichloroethylene	53.1		"	50.0		106	64-137		31.0	30	Non-dir.
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140		13.7	30	
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126		16.0	30	
1,2,4-Trichlorobenzene	50.9		"	50.0		102	80-141		15.5	30	
1,2,4-Trimethylbenzene	50.5		"	50.0		101	84-125		19.4	30	
1,2-Dibromo-3-chloropropane	51.5		"	50.0		103	74-142		17.3	30	
1,2-Dibromoethane	53.2		"	50.0		106	86-123		14.1	30	
1,2-Dichlorobenzene	50.5		"	50.0		101	85-122		15.7	30	
1,2-Dichloroethane	53.7		"	50.0		107	71-133		15.5	30	
1,2-Dichloropropane	53.4		"	50.0		107	81-122		16.8	30	
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126		19.6	30	
1,3-Dichlorobenzene	50.7		"	50.0		101	84-124		17.6	30	
1,4-Dichlorobenzene	50.5		"	50.0		101	84-124		15.9	30	
1,4-Dioxane	1100		"	1050		105	10-228		20.7	30	
2-Butanone	49.7		"	50.0		99.5	58-147		26.7	30	
2-Hexanone	50.1		"	50.0		100	70-139		15.4	30	
4-Methyl-2-pentanone	53.7		"	50.0		107	72-132		14.3	30	
Acetone	35.6		"	50.0		71.1	36-155		4.96	30	
Acrolein	41.2		"	50.0		82.5	10-238		14.7	30	
Acrylonitrile	53.2		"	50.0		106	66-141		24.2	30	
Benzene	54.1		"	50.0		108	77-127		21.7	30	
Bromochloromethane	54.1		"	50.0		108	74-129		16.0	30	
Bromodichloromethane	53.3		"	50.0		107	81-124		16.3	30	
Bromoform	56.5		"	50.0		113	80-136		11.9	30	
Bromomethane	68.2		"	50.0		136	32-177		47.8	30	Non-dir.

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
LCS Dup (BC22135-BSD1) LCS Dup							Prepared & Analyzed: 03/14/2022				
Carbon disulfide	55.3		ug/L	50.0		111	10-136		39.3	30	Non-dir.
Carbon tetrachloride	57.0		"	50.0		114	66-143		25.3	30	
Chlorobenzene	54.6		"	50.0		109	86-120		17.1	30	
Chloroethane	70.5		"	50.0		141	51-142		32.0	30	Non-dir.
Chloroform	55.0		"	50.0		110	76-131		19.9	30	
Chloromethane	61.0		"	50.0		122	49-132		56.3	30	Non-dir.
cis-1,2-Dichloroethylene	54.6		"	50.0		109	74-132		23.1	30	
cis-1,3-Dichloropropylene	53.5		"	50.0		107	81-129		14.4	30	
Cyclohexane	50.6		"	50.0		101	70-130		26.1	30	
Dibromochloromethane	53.5		"	50.0		107	10-200		13.3	30	
Dibromomethane	51.6		"	50.0		103	83-124		14.6	30	
Dichlorodifluoromethane	73.0		"	50.0		146	28-158		102	30	Non-dir.
Ethyl Benzene	52.8		"	50.0		106	84-125		19.4	30	
Hexachlorobutadiene	51.1		"	50.0		102	83-133		19.8	30	
Isopropylbenzene	53.0		"	50.0		106	81-127		21.5	30	
Methyl acetate	46.9		"	50.0		93.7	41-143		20.9	30	
Methyl tert-butyl ether (MTBE)	55.0		"	50.0		110	74-131		9.21	30	
Methylcyclohexane	50.4		"	50.0		101	70-130		24.8	30	
Methylene chloride	52.8		"	50.0		106	57-141		21.2	30	
n-Butylbenzene	50.8		"	50.0		102	80-130		20.9	30	
n-Propylbenzene	51.3		"	50.0		103	74-136		21.8	30	
o-Xylene	53.8		"	50.0		108	83-123		17.2	30	
p- & m- Xylenes	107		"	100		107	82-128		18.8	30	
p-Isopropyltoluene	52.2		"	50.0		104	85-125		20.8	30	
sec-Butylbenzene	51.1		"	50.0		102	83-125		20.5	30	
Styrene	51.1		"	50.0		102	86-126		16.9	30	
tert-Butyl alcohol (TBA)	330		"	250		132	70-130	High Bias	16.1	30	
tert-Butylbenzene	52.0		"	50.0		104	80-127		20.6	30	
Tetrachloroethylene	49.0		"	50.0		98.1	80-129		22.3	30	
Toluene	51.9		"	50.0		104	85-121		19.8	30	
trans-1,2-Dichloroethylene	54.3		"	50.0		109	72-132		26.8	30	
trans-1,3-Dichloropropylene	55.3		"	50.0		111	78-132		13.9	30	
Trichloroethylene	52.8		"	50.0		106	84-123		20.9	30	
Trichlorofluoromethane	65.8		"	50.0		132	62-140		38.0	30	Non-dir.
Vinyl Chloride	64.7		"	50.0		129	52-130		49.4	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*"*	*50.0*		*99.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS1) Matrix Spike	*Source sample: 22C0563-02 (Matrix Spike)							Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	38.7		ug/L	50.0	0.00	77.4	15-161				
1,1,1-Trichloroethane	40.2		"	50.0	0.00	80.4	42-145				
1,1,2,2-Tetrachloroethane	38.6		"	50.0	0.00	77.3	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.7		"	50.0	0.00	77.3	11-160				
1,1,2-Trichloroethane	41.4		"	50.0	0.00	82.9	44-145				
1,1-Dichloroethane	41.1		"	50.0	0.00	82.3	46-142				
1,1-Dichloroethylene	37.8		"	50.0	0.00	75.6	30-153				
1,2,3-Trichlorobenzene	18.3		"	50.0	0.00	36.6	10-157				
1,2,3-Trichloropropane	38.2		"	50.0	0.00	76.4	38-155				
1,2,4-Trichlorobenzene	17.8		"	50.0	0.00	35.7	10-151				
1,2,4-Trimethylbenzene	28.9		"	50.0	0.00	57.7	10-170				
1,2-Dibromo-3-chloropropane	33.7		"	50.0	0.00	67.5	36-138				
1,2-Dibromoethane	38.4		"	50.0	0.00	76.7	40-142				
1,2-Dichlorobenzene	28.4		"	50.0	0.00	56.7	10-147				
1,2-Dichloroethane	42.1		"	50.0	0.00	84.3	48-133				
1,2-Dichloropropane	41.6		"	50.0	0.00	83.1	47-141				
1,3,5-Trimethylbenzene	28.9		"	50.0	0.00	57.8	10-150				
1,3-Dichlorobenzene	26.0		"	50.0	0.00	52.1	10-144				
1,4-Dichlorobenzene	25.6		"	50.0	0.00	51.2	10-160				
1,4-Dioxane	836		"	1050	0.00	79.6	10-191				
2-Butanone	40.2		"	50.0	0.00	80.4	10-189				
2-Hexanone	37.4		"	50.0	0.00	74.8	10-181				
4-Methyl-2-pentanone	41.4		"	50.0	0.00	82.8	10-166				
Acetone	35.6		"	50.0	11.2	48.7	10-196				
Acrolein	9.34		"	50.0	0.00	18.7	10-192				
Acrylonitrile	38.2		"	50.0	0.00	76.4	13-161				
Benzene	41.0		"	50.0	0.00	82.0	43-139				
Bromochloromethane	40.8		"	50.0	0.00	81.5	38-145				
Bromodichloromethane	39.9		"	50.0	0.00	79.8	38-147				
Bromoform	39.9		"	50.0	0.00	79.9	29-156				
Bromomethane	42.4		"	50.0	0.00	84.8	10-166				
Carbon disulfide	29.0		"	50.0	0.00	57.9	10-131				
Carbon tetrachloride	39.8		"	50.0	0.00	79.6	35-145				
Chlorobenzene	36.2		"	50.0	0.00	72.4	21-154				
Chloroethane	48.9		"	50.0	0.00	97.8	15-160				
Chloroform	42.4		"	50.0	0.00	84.8	47-142				
Chloromethane	45.7		"	50.0	0.00	91.3	10-159				
cis-1,2-Dichloroethylene	38.8		"	50.0	0.00	77.5	42-144				
cis-1,3-Dichloropropylene	37.5		"	50.0	0.00	75.0	18-159				
Cyclohexane	32.5		"	50.0	0.00	65.1	70-130	Low Bias			
Dibromochloromethane	39.7		"	50.0	0.00	79.4	10-179				
Dibromomethane	37.5		"	50.0	0.00	74.9	47-143				
Dichlorodifluoromethane	50.9		"	50.0	0.00	102	10-145				
Ethyl Benzene	34.3		"	50.0	0.00	68.7	11-158				
Hexachlorobutadiene	13.1		"	50.0	0.00	26.3	10-158				
Isopropylbenzene	31.8		"	50.0	0.00	63.7	10-162				
Methyl acetate	41.2		"	50.0	3.01	76.3	10-149				
Methyl tert-butyl ether (MTBE)	46.5		"	50.0	0.00	93.1	42-152				
Methylcyclohexane	25.2		"	50.0	0.00	50.4	70-130	Low Bias			
Methylene chloride	41.2		"	50.0	0.00	82.5	28-151				
n-Butylbenzene	19.8		"	50.0	0.00	39.6	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS1) Matrix Spike	*Source sample: 22C0563-02 (Matrix Spike)								Prepared & Analyzed: 03/14/2022		
n-Propylbenzene	28.0		ug/L	50.0	0.00	55.9	10-155				
o-Xylene	36.3		"	50.0	0.00	72.7	10-158				
p- & m- Xylenes	68.7		"	100	0.00	68.7	10-156				
p-Isopropyltoluene	24.8		"	50.0	0.00	49.6	10-147				
sec-Butylbenzene	23.8		"	50.0	0.00	47.7	10-157				
Styrene	32.5		"	50.0	0.00	65.0	13-171				
tert-Butyl alcohol (TBA)	231		"	250	0.00	92.2	34-179				
tert-Butylbenzene	27.8		"	50.0	0.00	55.5	10-160				
Tetrachloroethylene	30.4		"	50.0	0.00	60.8	30-167				
Toluene	36.4		"	50.0	0.00	72.8	21-160				
trans-1,2-Dichloroethylene	34.2		"	50.0	0.00	68.3	29-153				
trans-1,3-Dichloropropylene	34.5		"	50.0	0.00	69.0	18-155				
Trichloroethylene	34.4		"	50.0	0.00	68.7	24-169				
Trichlorofluoromethane	47.4		"	50.0	0.00	94.9	35-142				
Vinyl Chloride	45.8		"	50.0	0.00	91.6	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike (BC22135-MS2) Matrix Spike	*Source sample: 22C0329-09 (Matrix Spike)								Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	36.2		ug/L	50.0	0.00	72.4	15-161				
1,1,1-Trichloroethane	37.4		"	50.0	0.00	74.8	42-145				
1,1,2,2-Tetrachloroethane	36.4		"	50.0	0.00	72.9	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.1		"	50.0	0.00	74.2	11-160				
1,1,2-Trichloroethane	38.1		"	50.0	0.00	76.1	44-145				
1,1-Dichloroethane	38.0		"	50.0	0.00	76.1	46-142				
1,1-Dichloroethylene	35.9		"	50.0	0.00	71.8	30-153				
1,2,3-Trichlorobenzene	24.9		"	50.0	0.00	49.8	10-157				
1,2,3-Trichloropropane	36.3		"	50.0	0.00	72.6	38-155				
1,2,4-Trichlorobenzene	24.1		"	50.0	0.00	48.1	10-151				
1,2,4-Trimethylbenzene	29.3		"	50.0	0.00	58.6	10-170				
1,2-Dibromo-3-chloropropane	34.3		"	50.0	0.00	68.6	36-138				
1,2-Dibromoethane	38.2		"	50.0	0.00	76.5	40-142				
1,2-Dichlorobenzene	29.1		"	50.0	0.00	58.3	10-147				
1,2-Dichloroethane	40.2		"	50.0	0.00	80.4	48-133				
1,2-Dichloropropane	38.0		"	50.0	0.00	76.1	47-141				
1,3,5-Trimethylbenzene	29.6		"	50.0	0.00	59.1	10-150				
1,3-Dichlorobenzene	27.7		"	50.0	0.00	55.5	10-144				
1,4-Dichlorobenzene	27.6		"	50.0	0.00	55.2	10-160				
1,4-Dioxane	817		"	1050	0.00	77.8	10-191				
2-Butanone	31.5		"	50.0	0.00	63.0	10-189				
2-Hexanone	32.0		"	50.0	0.00	64.0	10-181				
4-Methyl-2-pentanone	38.2		"	50.0	0.00	76.4	10-166				
Acetone	32.1		"	50.0	0.00	64.3	10-196				
Acrolein	11.6		"	50.0	0.00	23.3	10-192				
Acrylonitrile	38.8		"	50.0	0.00	77.7	13-161				
Benzene	37.4		"	50.0	0.00	74.8	43-139				
Bromochloromethane	40.0		"	50.0	0.00	80.0	38-145				
Bromodichloromethane	36.9		"	50.0	0.00	73.7	38-147				
Bromoform	38.5		"	50.0	0.00	77.1	29-156				
Bromomethane	44.8		"	50.0	0.00	89.6	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike (BC22135-MS2) Matrix Spike	*Source sample: 22C0329-09 (Matrix Spike)							Prepared & Analyzed: 03/14/2022			
Carbon disulfide	33.5		ug/L	50.0	0.00	67.0	10-131				
Carbon tetrachloride	36.9		"	50.0	0.00	73.8	35-145				
Chlorobenzene	34.4		"	50.0	0.00	68.8	21-154				
Chloroethane	48.9		"	50.0	0.00	97.9	15-160				
Chloroform	38.6		"	50.0	0.00	77.2	47-142				
Chloromethane	43.6		"	50.0	0.00	87.1	10-159				
cis-1,2-Dichloroethylene	37.1		"	50.0	0.00	74.2	42-144				
cis-1,3-Dichloropropylene	36.5		"	50.0	0.00	73.0	18-159				
Cyclohexane	32.1		"	50.0	0.00	64.2	70-130	Low Bias			
Dibromochloromethane	37.7		"	50.0	0.00	75.4	10-179				
Dibromomethane	37.5		"	50.0	0.00	75.0	47-143				
Dichlorodifluoromethane	48.6		"	50.0	0.00	97.2	10-145				
Ethyl Benzene	32.7		"	50.0	0.00	65.4	11-158				
Hexachlorobutadiene	21.2		"	50.0	0.00	42.5	10-158				
Isopropylbenzene	31.4		"	50.0	0.00	62.8	10-162				
Methyl acetate	36.3		"	50.0	0.00	72.5	10-149				
Methyl tert-butyl ether (MTBE)	43.3		"	50.0	0.00	86.7	42-152				
Methylcyclohexane	28.6		"	50.0	0.00	57.2	70-130	Low Bias			
Methylene chloride	41.3		"	50.0	0.00	82.6	28-151				
n-Butylbenzene	25.3		"	50.0	0.00	50.5	10-162				
n-Propylbenzene	29.0		"	50.0	0.00	57.9	10-155				
o-Xylene	34.3		"	50.0	0.00	68.6	10-158				
p- & m- Xylenes	65.9		"	100	0.00	65.9	10-156				
p-Isopropyltoluene	28.8		"	50.0	0.00	57.7	10-147				
sec-Butylbenzene	28.1		"	50.0	0.00	56.2	10-157				
Styrene	30.8		"	50.0	0.00	61.6	13-171				
tert-Butyl alcohol (TBA)	230		"	250	0.00	91.8	34-179				
tert-Butylbenzene	30.0		"	50.0	0.00	60.1	10-160				
Tetrachloroethylene	29.9		"	50.0	0.00	59.8	30-167				
Toluene	33.4		"	50.0	0.00	66.8	21-160				
trans-1,2-Dichloroethylene	35.6		"	50.0	0.00	71.3	29-153				
trans-1,3-Dichloropropylene	35.9		"	50.0	0.00	71.9	18-155				
Trichloroethylene	33.2		"	50.0	0.00	66.5	24-169				
Trichlorofluoromethane	44.8		"	50.0	0.00	89.5	35-142				
Vinyl Chloride	43.8		"	50.0	0.00	87.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike Dup (BC22135-M Matrix Spike Dup	*Source sample: 22C0563-02 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022		
1,1,1,2-Tetrachloroethane	38.5		ug/L	50.0	0.00	76.9	15-161		0.648	33	
1,1,1-Trichloroethane	45.5		"	50.0	0.00	90.9	42-145		12.3	30	
1,1,2,2-Tetrachloroethane	38.7		"	50.0	0.00	77.4	16-167		0.155	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.2		"	50.0	0.00	88.4	11-160		13.3	31	
1,1,2-Trichloroethane	37.9		"	50.0	0.00	75.8	44-145		8.87	40	
1,1-Dichloroethane	44.5		"	50.0	0.00	89.1	46-142		7.94	36	
1,1-Dichloroethylene	45.3		"	50.0	0.00	90.7	30-153		18.2	31	
1,2,3-Trichlorobenzene	27.1		"	50.0	0.00	54.2	10-157		38.7	47	
1,2,3-Trichloropropane	39.8		"	50.0	0.00	79.6	38-155		4.15	48	
1,2,4-Trichlorobenzene	26.7		"	50.0	0.00	53.4	10-151		39.8	52	
1,2,4-Trimethylbenzene	36.9		"	50.0	0.00	73.8	10-170		24.5	242	
1,2-Dibromo-3-chloropropane	42.1		"	50.0	0.00	84.3	36-138		22.1	54	
1,2-Dibromoethane	37.4		"	50.0	0.00	74.8	40-142		2.61	39	
1,2-Dichlorobenzene	34.2		"	50.0	0.00	68.4	10-147		18.6	52	
1,2-Dichloroethane	40.3		"	50.0	0.00	80.6	48-133		4.44	32	
1,2-Dichloropropane	42.0		"	50.0	0.00	84.1	47-141		1.17	37	
1,3,5-Trimethylbenzene	37.8		"	50.0	0.00	75.6	10-150		26.7	62	
1,3-Dichlorobenzene	33.7		"	50.0	0.00	67.4	10-144		25.6	51	
1,4-Dichlorobenzene	33.2		"	50.0	0.00	66.4	10-160		25.9	52	
1,4-Dioxane	1340		"	1050	0.00	128	10-191		46.3	196	
2-Butanone	47.6		"	50.0	0.00	95.1	10-189		16.8	67	
2-Hexanone	42.8		"	50.0	0.00	85.6	10-181		13.4	60	
4-Methyl-2-pentanone	43.8		"	50.0	0.00	87.7	10-166		5.68	47	
Acetone	41.0		"	50.0	11.2	59.5	10-196		14.1	150	
Acrolein	30.4		"	50.0	0.00	60.7	10-192		106	128	
Acrylonitrile	49.6		"	50.0	0.00	99.2	13-161		26.0	48	
Benzene	43.7		"	50.0	0.00	87.5	43-139		6.49	64	
Bromochloromethane	40.5		"	50.0	0.00	81.1	38-145		0.541	30	
Bromodichloromethane	39.2		"	50.0	0.00	78.4	38-147		1.79	37	
Bromoform	36.7		"	50.0	0.00	73.4	29-156		8.48	51	
Bromomethane	49.2		"	50.0	0.00	98.4	10-166		14.9	42	
Carbon disulfide	40.0		"	50.0	0.00	79.9	10-131		31.9	36	
Carbon tetrachloride	46.2		"	50.0	0.00	92.4	35-145		14.9	31	
Chlorobenzene	40.8		"	50.0	0.00	81.6	21-154		12.1	32	
Chloroethane	57.7		"	50.0	0.00	115	15-160		16.4	40	
Chloroform	44.3		"	50.0	0.00	88.6	47-142		4.38	29	
Chloromethane	53.5		"	50.0	0.00	107	10-159		15.9	31	
cis-1,2-Dichloroethylene	42.4		"	50.0	0.00	84.9	42-144		9.04	30	
cis-1,3-Dichloropropylene	37.1		"	50.0	0.00	74.3	18-159		0.938	39	
Cyclohexane	41.4		"	50.0	0.00	82.7	70-130		23.9	30	
Dibromochloromethane	36.5		"	50.0	0.00	73.1	10-179		8.24	41	
Dibromomethane	37.4		"	50.0	0.00	74.8	47-143		0.107	41	
Dichlorodifluoromethane	59.4		"	50.0	0.00	119	10-145		15.4	34	
Ethyl Benzene	40.4		"	50.0	0.00	80.7	11-158		16.1	42	
Hexachlorobutadiene	27.0		"	50.0	0.00	54.0	10-158		69.1	45	Non-dir.
Isopropylbenzene	41.8		"	50.0	0.00	83.7	10-162		27.2	57	
Methyl acetate	43.7		"	50.0	3.01	81.4	10-149		5.99	64	
Methyl tert-butyl ether (MTBE)	39.2		"	50.0	0.00	78.5	42-152		17.0	47	
Methylcyclohexane	37.7		"	50.0	0.00	75.4	70-130		39.8	30	Non-dir.
Methylene chloride	42.5		"	50.0	0.00	84.9	28-151		2.89	49	
n-Butylbenzene	32.4		"	50.0	0.00	64.8	10-162		48.2	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike Dup (BC22135-M Matrix Spike Dup *Source sample: 22C0563-02 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022			
n-Propylbenzene	38.2		ug/L	50.0	0.00	76.5	10-155		31.1	56	
o-Xylene	40.5		"	50.0	0.00	81.1	10-158		10.9	51	
p- & m- Xylenes	80.6		"	100	0.00	80.6	10-156		16.0	47	
p-Isopropyltoluene	37.1		"	50.0	0.00	74.2	10-147		39.6	60	
sec-Butylbenzene	37.8		"	50.0	0.00	75.7	10-157		45.4	56	
Styrene	36.6		"	50.0	0.00	73.2	13-171		12.0	39	
tert-Butyl alcohol (TBA)	395		"	250	0.00	158	34-179		52.5	35	Non-dir.
tert-Butylbenzene	39.9		"	50.0	0.00	79.7	10-160		35.8	79	
Tetrachloroethylene	37.7		"	50.0	0.00	75.3	30-167		21.3	33	
Toluene	41.2		"	50.0	0.00	82.4	21-160		12.3	50	
trans-1,2-Dichloroethylene	42.1		"	50.0	0.00	84.2	29-153		20.8	30	
trans-1,3-Dichloropropylene	33.1		"	50.0	0.00	66.2	18-155		4.11	30	
Trichloroethylene	42.0		"	50.0	0.00	84.1	24-169		20.1	30	
Trichlorofluoromethane	55.3		"	50.0	0.00	111	35-142		15.2	30	
Vinyl Chloride	55.9		"	50.0	0.00	112	12-160		19.8	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike Dup (BC22135-M Matrix Spike Dup *Source sample: 22C0329-09 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022			
1,1,1,2-Tetrachloroethane	37.4		ug/L	50.0	0.00	74.8	15-161		3.26	33	
1,1,1-Trichloroethane	37.6		"	50.0	0.00	75.3	42-145		0.666	30	
1,1,2,2-Tetrachloroethane	37.5		"	50.0	0.00	75.0	16-167		2.87	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.7		"	50.0	0.00	75.4	11-160		1.60	31	
1,1,2-Trichloroethane	38.0		"	50.0	0.00	76.0	44-145		0.131	40	
1,1-Dichloroethane	37.9		"	50.0	0.00	75.7	46-142		0.474	36	
1,1-Dichloroethylene	37.0		"	50.0	0.00	73.9	30-153		2.97	31	
1,2,3-Trichlorobenzene	31.0		"	50.0	0.00	62.0	10-157		21.8	47	
1,2,3-Trichloropropane	36.4		"	50.0	0.00	72.7	38-155		0.165	48	
1,2,4-Trichlorobenzene	29.9		"	50.0	0.00	59.8	10-151		21.7	52	
1,2,4-Trimethylbenzene	32.6		"	50.0	0.00	65.2	10-170		10.6	242	
1,2-Dibromo-3-chloropropane	34.9		"	50.0	0.00	69.8	36-138		1.71	54	
1,2-Dibromoethane	38.5		"	50.0	0.00	77.1	40-142		0.755	39	
1,2-Dichlorobenzene	33.5		"	50.0	0.00	67.0	10-147		13.9	52	
1,2-Dichloroethane	40.8		"	50.0	0.00	81.6	48-133		1.41	32	
1,2-Dichloropropane	38.0		"	50.0	0.00	75.9	47-141		0.237	37	
1,3,5-Trimethylbenzene	33.0		"	50.0	0.00	65.9	10-150		10.9	62	
1,3-Dichlorobenzene	31.7		"	50.0	0.00	63.3	10-144		13.2	51	
1,4-Dichlorobenzene	31.7		"	50.0	0.00	63.5	10-160		13.9	52	
1,4-Dioxane	800		"	1050	0.00	76.2	10-191		2.01	196	
2-Butanone	33.9		"	50.0	0.00	67.9	10-189		7.49	67	
2-Hexanone	35.2		"	50.0	0.00	70.3	10-181		9.41	60	
4-Methyl-2-pentanone	38.8		"	50.0	0.00	77.6	10-166		1.53	47	
Acetone	28.6		"	50.0	0.00	57.3	10-196		11.5	150	
Acrolein	19.6		"	50.0	0.00	39.3	10-192		51.1	128	
Acrylonitrile	36.9		"	50.0	0.00	73.8	13-161		5.04	48	
Benzene	38.4		"	50.0	0.00	76.8	43-139		2.61	64	
Bromochloromethane	40.2		"	50.0	0.00	80.5	38-145		0.573	30	
Bromodichloromethane	37.8		"	50.0	0.00	75.6	38-147		2.47	37	
Bromoform	40.7		"	50.0	0.00	81.4	29-156		5.50	51	
Bromomethane	46.4		"	50.0	0.00	92.8	10-166		3.49	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22135 - EPA 5035A											
Matrix Spike Dup (BC22135-M Matrix Spike Dup	*Source sample: 22C0329-09 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022		
Carbon disulfide	35.4		ug/L	50.0	0.00	70.8	10-131		5.46	36	
Carbon tetrachloride	38.4		"	50.0	0.00	76.8	35-145		3.96	31	
Chlorobenzene	36.5		"	50.0	0.00	72.9	21-154		5.76	32	
Chloroethane	48.2		"	50.0	0.00	96.4	15-160		1.52	40	
Chloroform	39.6		"	50.0	0.00	79.1	47-142		2.38	29	
Chloromethane	42.9		"	50.0	0.00	85.8	10-159		1.57	31	
cis-1,2-Dichloroethylene	37.7		"	50.0	0.00	75.4	42-144		1.63	30	
cis-1,3-Dichloropropylene	37.9		"	50.0	0.00	75.8	18-159		3.74	39	
Cyclohexane	34.4		"	50.0	0.00	68.8	70-130	Low Bias	6.86	30	
Dibromochloromethane	38.6		"	50.0	0.00	77.1	10-179		2.18	41	
Dibromomethane	37.4		"	50.0	0.00	74.8	47-143		0.347	41	
Dichlorodifluoromethane	48.2		"	50.0	0.00	96.4	10-145		0.868	34	
Ethyl Benzene	35.3		"	50.0	0.00	70.7	11-158		7.79	42	
Hexachlorobutadiene	29.4		"	50.0	0.00	58.8	10-158		32.3	45	
Isopropylbenzene	34.0		"	50.0	0.00	68.0	10-162		7.98	57	
Methyl acetate	36.5		"	50.0	0.00	72.9	10-149		0.577	64	
Methyl tert-butyl ether (MTBE)	43.1		"	50.0	0.00	86.2	42-152		0.555	47	
Methylcyclohexane	31.9		"	50.0	0.00	63.8	70-130	Low Bias	10.9	30	
Methylene chloride	42.2		"	50.0	0.00	84.4	28-151		2.23	49	
n-Butylbenzene	31.1		"	50.0	0.00	62.3	10-162		20.9	96	
n-Propylbenzene	32.3		"	50.0	0.00	64.6	10-155		10.9	56	
o-Xylene	36.6		"	50.0	0.00	73.3	10-158		6.66	51	
p- & m- Xylenes	70.9		"	100	0.00	70.9	10-156		7.26	47	
p-Isopropyltoluene	32.7		"	50.0	0.00	65.3	10-147		12.5	60	
sec-Butylbenzene	32.2		"	50.0	0.00	64.5	10-157		13.7	56	
Styrene	33.8		"	50.0	0.00	67.6	13-171		9.26	39	
tert-Butyl alcohol (TBA)	222		"	250	0.00	89.0	34-179		3.19	35	
tert-Butylbenzene	33.7		"	50.0	0.00	67.4	10-160		11.5	79	
Tetrachloroethylene	31.9		"	50.0	0.00	63.7	30-167		6.41	33	
Toluene	35.0		"	50.0	0.00	70.1	21-160		4.85	50	
trans-1,2-Dichloroethylene	36.6		"	50.0	0.00	73.2	29-153		2.74	30	
trans-1,3-Dichloropropylene	37.4		"	50.0	0.00	74.9	18-155		4.09	30	
Trichloroethylene	35.1		"	50.0	0.00	70.2	24-169		5.50	30	
Trichlorofluoromethane	44.6		"	50.0	0.00	89.3	35-142		0.269	30	
Vinyl Chloride	43.6		"	50.0	0.00	87.2	12-160		0.526	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.2*		*"*	*50.0*		*96.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.4*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC22000 - EPA 3546 SVOA

Blank (BC22000-BLK1) Blank — Prepared & Analyzed: 03/11/2022

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

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
Blank (BC22000-BLK1) Blank								Prepared & Analyzed: 03/11/2022			
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.828*		"	*1.66*		*49.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.722*		"	*1.66*		*43.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.481*		"	*0.831*		*57.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.372*		"	*0.831*		*44.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.03*		"	*1.66*		*61.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.405*		"	*0.831*		*48.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
LCS (BC22000-BS1) LCS							Prepared & Analyzed: 03/11/2022				
1,1-Biphenyl	0.344	0.0416	mg/kg wet	0.831		41.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.458	0.0830	"	0.831		55.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.345	0.0416	"	0.831		41.6	17-137				
2,3,4,6-Tetrachlorophenol	0.454	0.0830	"	0.831		54.6	30-130				
2,4,5-Trichlorophenol	0.435	0.0416	"	0.831		52.3	27-118				
2,4,6-Trichlorophenol	0.431	0.0416	"	0.831		51.9	31-120				
2,4-Dichlorophenol	0.429	0.0416	"	0.831		51.7	20-127				
2,4-Dimethylphenol	0.420	0.0416	"	0.831		50.6	14-132				
2,4-Dinitrophenol	0.237	0.0830	"	0.831		28.5	10-171				
2,4-Dinitrotoluene	0.580	0.0416	"	0.831		69.8	34-131				
2,6-Dinitrotoluene	0.544	0.0416	"	0.831		65.5	31-128				
2-Chloronaphthalene	0.367	0.0416	"	0.831		44.2	31-117				
2-Chlorophenol	0.379	0.0416	"	0.831		45.6	33-113				
2-Methylnaphthalene	0.396	0.0416	"	0.831		47.6	12-138				
2-Methylphenol	0.373	0.0416	"	0.831		44.9	10-136				
2-Nitroaniline	0.502	0.0830	"	0.831		60.4	27-132				
2-Nitrophenol	0.512	0.0416	"	0.831		61.7	17-129				
3- & 4-Methylphenols	0.339	0.0416	"	0.831		40.8	29-103				
3,3-Dichlorobenzidine	0.376	0.0416	"	0.831		45.3	22-149				
3-Nitroaniline	0.364	0.0830	"	0.831		43.8	20-133				
4,6-Dinitro-2-methylphenol	0.446	0.0830	"	0.831		53.7	10-143				
4-Bromophenyl phenyl ether	0.451	0.0416	"	0.831		54.3	29-120				
4-Chloro-3-methylphenol	0.419	0.0416	"	0.831		50.5	24-129				
4-Chloroaniline	0.187	0.0416	"	0.831		22.6	10-132				
4-Chlorophenyl phenyl ether	0.422	0.0416	"	0.831		50.8	27-124				
4-Nitroaniline	0.436	0.0830	"	0.831		52.5	16-128				
4-Nitrophenol	0.445	0.0830	"	0.831		53.6	10-141				
Acenaphthene	0.377	0.0416	"	0.831		45.4	30-121				
Acenaphthylene	0.355	0.0416	"	0.831		42.8	30-115				
Acetophenone	0.330	0.0416	"	0.831		39.7	20-112				
Aniline	0.361	0.166	"	0.831		43.5	10-119				
Anthracene	0.397	0.0416	"	0.831		47.8	34-118				
Atrazine	0.429	0.0416	"	0.831		51.6	26-112				
Benzaldehyde	0.331	0.0416	"	0.831		39.8	21-100				
Benzo(a)anthracene	0.389	0.0416	"	0.831		46.9	32-122				
Benzo(a)pyrene	0.418	0.0416	"	0.831		50.3	29-133				
Benzo(b)fluoranthene	0.439	0.0416	"	0.831		52.8	25-133				
Benzo(g,h,i)perylene	0.418	0.0416	"	0.831		50.3	10-143				
Benzo(k)fluoranthene	0.415	0.0416	"	0.831		50.0	25-128				
Benzoic acid	0.219	0.0416	"	0.831		26.4	10-140				
Benzyl alcohol	0.394	0.0416	"	0.831		47.5	30-115				
Benzyl butyl phthalate	0.378	0.0416	"	0.831		45.6	26-126				
Bis(2-chloroethoxy)methane	0.387	0.0416	"	0.831		46.6	19-132				
Bis(2-chloroethyl)ether	0.346	0.0416	"	0.831		41.6	19-125				
Bis(2-chloroisopropyl)ether	0.334	0.0416	"	0.831		40.2	20-135				
Bis(2-ethylhexyl)phthalate	0.389	0.0416	"	0.831		46.9	10-155				
Caprolactam	0.515	0.0830	"	0.831		62.0	10-127				
Carbazole	0.409	0.0416	"	0.831		49.2	35-123				
Chrysene	0.369	0.0416	"	0.831		44.5	32-123				
Dibenzo(a,h)anthracene	0.457	0.0416	"	0.831		55.0	10-136				
Dibenzofuran	0.373	0.0416	"	0.831		44.9	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
LCS (BC22000-BS1) LCS							Prepared & Analyzed: 03/11/2022				
Diethyl phthalate	0.391	0.0416	mg/kg wet	0.831		47.1	34-116				
Dimethyl phthalate	0.387	0.0416	"	0.831		46.6	35-124				
Di-n-butyl phthalate	0.403	0.0416	"	0.831		48.5	31-116				
Di-n-octyl phthalate	0.395	0.0416	"	0.831		47.5	26-136				
Diphenylamine	0.461	0.0830	"	0.831		55.5	40-140				
Fluoranthene	0.428	0.0416	"	0.831		51.5	33-122				
Fluorene	0.390	0.0416	"	0.831		47.0	29-123				
Hexachlorobenzene	0.373	0.0416	"	0.831		45.0	21-124				
Hexachlorobutadiene	0.463	0.0416	"	0.831		55.8	10-149				
Hexachlorocyclopentadiene	0.124	0.0416	"	0.831		14.9	10-129				
Hexachloroethane	0.361	0.0416	"	0.831		43.5	28-108				
Indeno(1,2,3-cd)pyrene	0.441	0.0416	"	0.831		53.1	10-135				
Isophorone	0.376	0.0416	"	0.831		45.3	20-132				
Naphthalene	0.384	0.0416	"	0.831		46.3	23-124				
Nitrobenzene	0.433	0.0416	"	0.831		52.1	13-132				
N-Nitrosodimethylamine	0.324	0.0416	"	0.831		39.0	11-129				
N-nitroso-di-n-propylamine	0.341	0.0416	"	0.831		41.1	24-119				
N-Nitrosodiphenylamine	0.448	0.0416	"	0.831		53.9	22-152				
Pentachlorophenol	0.226	0.0416	"	0.831		27.2	10-139				
Phenanthrene	0.376	0.0416	"	0.831		45.2	33-123				
Phenol	0.383	0.0416	"	0.831		46.1	23-115				
Pyrene	0.342	0.0416	"	0.831		41.2	24-130				
Pyridine	0.292	0.166	"	0.831		35.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.737*		"	*1.66*		*44.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.718*		"	*1.66*		*43.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.448*		"	*0.831*		*54.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.353*		"	*0.831*		*42.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.952*		"	*1.66*		*57.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.381*		"	*0.831*		*45.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
Matrix Spike (BC22000-MS1) Matrix Spike	*Source sample: 22C0514-01 (Matrix Spike)							Prepared: 03/11/2022 Analyzed: 03/12/2022			
1,1-Biphenyl	0.374	0.0906	mg/kg dry	0.905	ND	41.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.332	0.181	"	0.905	ND	36.6	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.369	0.0906	"	0.905	ND	40.8	10-144				
2,3,4,6-Tetrachlorophenol	ND	0.181	"	0.905	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	0.164	0.0906	"	0.905	ND	18.1	10-127				
2,4,6-Trichlorophenol	0.0551	0.0906	"	0.905	ND	6.08	10-132	Low Bias			
2,4-Dichlorophenol	0.274	0.0906	"	0.905	ND	30.2	10-128				
2,4-Dimethylphenol	0.374	0.0906	"	0.905	ND	41.3	10-137				
2,4-Dinitrophenol	ND	0.181	"	0.905	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.346	0.0906	"	0.905	ND	38.2	16-135				
2,6-Dinitrotoluene	0.384	0.0906	"	0.905	ND	42.4	18-131				
2-Chloronaphthalene	0.334	0.0906	"	0.905	ND	36.9	10-129				
2-Chlorophenol	0.283	0.0906	"	0.905	ND	31.2	15-116				
2-Methylnaphthalene	0.392	0.0906	"	0.905	0.163	25.3	10-147				
2-Methylphenol	0.387	0.0906	"	0.905	ND	42.7	10-136				
2-Nitroaniline	0.537	0.181	"	0.905	ND	59.4	10-137				
2-Nitrophenol	0.0934	0.0906	"	0.905	ND	10.3	10-129				
3- & 4-Methylphenols	0.353	0.0906	"	0.905	ND	39.0	10-123				
3,3-Dichlorobenzidine	0.286	0.0906	"	0.905	ND	31.6	10-155				
3-Nitroaniline	0.490	0.181	"	0.905	ND	54.2	12-133				
4,6-Dinitro-2-methylphenol	ND	0.181	"	0.905	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.310	0.0906	"	0.905	ND	34.2	14-128				
4-Chloro-3-methylphenol	0.448	0.0906	"	0.905	ND	49.5	10-134				
4-Chloroaniline	0.261	0.0906	"	0.905	ND	28.8	10-145				
4-Chlorophenyl phenyl ether	0.382	0.0906	"	0.905	ND	42.2	14-130				
4-Nitroaniline	0.574	0.181	"	0.905	ND	63.4	10-147				
4-Nitrophenol	ND	0.181	"	0.905	ND		10-137	Low Bias			
Acenaphthene	0.449	0.0906	"	0.905	0.152	32.8	10-146				
Acenaphthylene	0.474	0.0906	"	0.905	0.0971	41.6	10-134				
Acetophenone	0.353	0.0906	"	0.905	ND	39.0	10-116				
Aniline	0.323	0.363	"	0.905	ND	35.7	10-123				
Anthracene	0.746	0.0906	"	0.905	0.368	41.7	10-142				
Atrazine	0.390	0.0906	"	0.905	ND	43.1	19-115				
Benzaldehyde	0.352	0.0906	"	0.905	ND	38.9	10-125				
Benzo(a)anthracene	1.31	0.0906	"	0.905	0.560	82.5	10-158				
Benzo(a)pyrene	1.15	0.0906	"	0.905	0.510	71.2	10-180				
Benzo(b)fluoranthene	1.14	0.0906	"	0.905	0.444	77.3	10-200				
Benzo(g,h,i)perylene	0.707	0.0906	"	0.905	0.253	50.2	10-138				
Benzo(k)fluoranthene	0.933	0.0906	"	0.905	0.355	63.8	10-197				
Benzoic acid	0.0529	0.0906	"	0.905	ND	5.84	10-166	Low Bias			
Benzyl alcohol	0.365	0.0906	"	0.905	ND	40.3	12-124				
Benzyl butyl phthalate	0.560	0.0906	"	0.905	ND	61.8	10-154				
Bis(2-chloroethoxy)methane	0.329	0.0906	"	0.905	ND	36.3	10-132				
Bis(2-chloroethyl)ether	0.327	0.0906	"	0.905	ND	36.1	10-119				
Bis(2-chloroisopropyl)ether	0.406	0.0906	"	0.905	ND	44.8	10-139				
Bis(2-ethylhexyl)phthalate	1.19	0.0906	"	0.905	0.580	67.7	10-167				
Caprolactam	0.451	0.181	"	0.905	ND	49.8	10-132				
Carbazole	0.521	0.0906	"	0.905	0.111	45.3	10-167				
Chrysene	1.19	0.0906	"	0.905	0.499	75.9	10-156				
Dibenzo(a,h)anthracene	0.545	0.0906	"	0.905	0.0813	51.3	10-137				
Dibenzofuran	0.422	0.0906	"	0.905	0.111	34.4	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
Matrix Spike (BC22000-MS1) Matrix Spike	*Source sample: 22C0514-01 (Matrix Spike)							Prepared: 03/11/2022 Analyzed: 03/12/2022			
Diethyl phthalate	0.422	0.0906	mg/kg dry	0.905	ND	46.6	20-120				
Dimethyl phthalate	0.380	0.0906	"	0.905	ND	41.9	18-131				
Di-n-butyl phthalate	0.489	0.0906	"	0.905	ND	54.0	10-137				
Di-n-octyl phthalate	0.579	0.0906	"	0.905	ND	64.0	10-180				
Diphenylamine	0.410	0.181	"	0.905	ND	45.3	40-140				
Fluoranthene	2.13	0.0906	"	0.905	1.09	115	10-160				
Fluorene	0.516	0.0906	"	0.905	0.240	30.4	10-157				
Hexachlorobenzene	0.359	0.0906	"	0.905	ND	39.6	10-137				
Hexachlorobutadiene	0.269	0.0906	"	0.905	ND	29.8	10-132				
Hexachlorocyclopentadiene	ND	0.0906	"	0.905	ND		10-106	Low Bias			
Hexachloroethane	0.169	0.0906	"	0.905	ND	18.6	10-110				
Indeno(1,2,3-cd)pyrene	0.826	0.0906	"	0.905	0.309	57.1	10-144				
Isophorone	0.382	0.0906	"	0.905	ND	42.2	10-132				
Naphthalene	0.396	0.0906	"	0.905	0.307	9.90	10-141	Low Bias			
Nitrobenzene	0.365	0.0906	"	0.905	ND	40.3	10-131				
N-Nitrosodimethylamine	0.311	0.0906	"	0.905	ND	34.4	10-126				
N-nitroso-di-n-propylamine	0.390	0.0906	"	0.905	ND	43.0	10-125				
N-Nitrosodiphenylamine	0.446	0.0906	"	0.905	ND	49.3	10-177				
Pentachlorophenol	0.0471	0.0906	"	0.905	ND	5.20	10-153	Low Bias			
Phenanthrene	1.11	0.0906	"	0.905	0.999	11.8	10-148				
Phenol	0.360	0.0906	"	0.905	ND	39.8	10-126				
Pyrene	1.90	0.0906	"	0.905	0.994	100	10-165				
Pyridine	0.215	0.363	"	0.905	ND	23.8	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.506*		"	*1.81*		*27.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.727*		"	*1.81*		*40.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.375*		"	*0.905*		*41.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.325*		"	*0.905*		*35.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.131*		"	*1.81*		*7.24*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.423*		"	*0.905*		*46.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
Matrix Spike Dup (BC22000-M Matrix Spike Dup	*Source sample: 22C0514-01 (Matrix Spike Dup)								Prepared: 03/11/2022 Analyzed: 03/12/2022		
1,1-Biphenyl	0.405	0.0906	mg/kg dry	0.905	ND	44.7	10-130		7.81	30	
1,2,4,5-Tetrachlorobenzene	0.341	0.181	"	0.905	ND	37.7	10-133		2.80	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.350	0.0906	"	0.905	ND	38.6	10-144		5.44	30	
2,3,4,6-Tetrachlorophenol	ND	0.181	"	0.905	ND		30-130	Low Bias		30	
2,4,5-Trichlorophenol	0.148	0.0906	"	0.905	ND	16.3	10-127		10.2	30	
2,4,6-Trichlorophenol	0.0565	0.0906	"	0.905	ND	6.24	10-132	Low Bias	2.60	30	
2,4-Dichlorophenol	0.270	0.0906	"	0.905	ND	29.8	10-128		1.33	30	
2,4-Dimethylphenol	0.388	0.0906	"	0.905	ND	42.8	10-137		3.62	30	
2,4-Dinitrophenol	ND	0.181	"	0.905	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.296	0.0906	"	0.905	ND	32.6	16-135		15.6	30	
2,6-Dinitrotoluene	0.344	0.0906	"	0.905	ND	38.0	18-131		10.9	30	
2-Chloronaphthalene	0.351	0.0906	"	0.905	ND	38.8	10-129		5.07	30	
2-Chlorophenol	0.319	0.0906	"	0.905	ND	35.2	15-116		12.0	30	
2-Methylnaphthalene	0.452	0.0906	"	0.905	0.163	32.0	10-147		14.2	30	
2-Methylphenol	0.436	0.0906	"	0.905	ND	48.2	10-136		12.0	30	
2-Nitroaniline	0.536	0.181	"	0.905	ND	59.2	10-137		0.270	30	
2-Nitrophenol	0.0920	0.0906	"	0.905	ND	10.2	10-129		1.56	30	
3- & 4-Methylphenols	0.396	0.0906	"	0.905	ND	43.7	10-123		11.4	30	
3,3-Dichlorobenzidine	0.351	0.0906	"	0.905	ND	38.8	10-155		20.5	30	
3-Nitroaniline	0.485	0.181	"	0.905	ND	53.5	12-133		1.19	30	
4,6-Dinitro-2-methylphenol	ND	0.181	"	0.905	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.293	0.0906	"	0.905	ND	32.3	14-128		5.77	30	
4-Chloro-3-methylphenol	0.441	0.0906	"	0.905	ND	48.7	10-134		1.63	30	
4-Chloroaniline	0.231	0.0906	"	0.905	ND	25.5	10-145		12.1	30	
4-Chlorophenyl phenyl ether	0.363	0.0906	"	0.905	ND	40.1	14-130		5.25	30	
4-Nitroaniline	0.548	0.181	"	0.905	ND	60.6	10-147		4.65	30	
4-Nitrophenol	ND	0.181	"	0.905	ND		10-137	Low Bias		30	
Acenaphthene	0.593	0.0906	"	0.905	0.152	48.8	10-146		27.7	30	
Acenaphthylene	0.464	0.0906	"	0.905	0.0971	40.5	10-134		2.16	30	
Acetophenone	0.465	0.0906	"	0.905	ND	51.4	10-116		27.5	30	
Aniline	0.323	0.363	"	0.905	ND	35.7	10-123		0.00	30	
Anthracene	0.843	0.0906	"	0.905	0.368	52.4	10-142		12.2	30	
Atrazine	0.362	0.0906	"	0.905	ND	40.0	19-115		7.51	30	
Benzaldehyde	0.482	0.0906	"	0.905	ND	53.2	10-125		31.1	30	Non-dir.
Benzo(a)anthracene	1.19	0.0906	"	0.905	0.560	69.9	10-158		9.16	30	
Benzo(a)pyrene	1.05	0.0906	"	0.905	0.510	59.1	10-180		9.94	30	
Benzo(b)fluoranthene	1.02	0.0906	"	0.905	0.444	63.5	10-200		11.5	30	
Benzo(g,h,i)perylene	0.616	0.0906	"	0.905	0.253	40.1	10-138		13.8	30	
Benzo(k)fluoranthene	0.825	0.0906	"	0.905	0.355	51.9	10-197		12.3	30	
Benzoic acid	0.128	0.0906	"	0.905	ND	14.2	10-166		83.2	30	Non-dir.
Benzyl alcohol	0.396	0.0906	"	0.905	ND	43.8	12-124		8.18	30	
Benzyl butyl phthalate	0.524	0.0906	"	0.905	ND	57.9	10-154		6.55	30	
Bis(2-chloroethoxy)methane	0.377	0.0906	"	0.905	ND	41.6	10-132		13.6	30	
Bis(2-chloroethyl)ether	0.431	0.0906	"	0.905	ND	47.6	10-119		27.5	30	
Bis(2-chloroisopropyl)ether	0.523	0.0906	"	0.905	ND	57.8	10-139		25.3	30	
Bis(2-ethylhexyl)phthalate	1.16	0.0906	"	0.905	0.580	64.5	10-167		2.46	30	
Caprolactam	0.483	0.181	"	0.905	ND	53.4	10-132		6.82	30	
Carbazole	0.632	0.0906	"	0.905	0.111	57.6	10-167		19.3	30	
Chrysene	1.10	0.0906	"	0.905	0.499	65.8	10-156		8.00	30	
Dibenzo(a,h)anthracene	0.477	0.0906	"	0.905	0.0813	43.7	10-137		13.5	30	
Dibenzofuran	0.484	0.0906	"	0.905	0.111	41.2	10-147		13.6	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22000 - EPA 3546 SVOA											
Matrix Spike Dup (BC22000-M Matrix Spike Dup	*Source sample: 22C0514-01 (Matrix Spike Dup)								Prepared: 03/11/2022 Analyzed: 03/12/2022		
Diethyl phthalate	0.400	0.0906	mg/kg dry	0.905	ND	44.2	20-120		5.46	30	
Dimethyl phthalate	0.376	0.0906	"	0.905	ND	41.5	18-131		0.959	30	
Di-n-butyl phthalate	0.458	0.0906	"	0.905	ND	50.6	10-137		6.58	30	
Di-n-octyl phthalate	0.545	0.0906	"	0.905	ND	60.2	10-180		6.19	30	
Diphenylamine	0.385	0.181	"	0.905	ND	42.5	40-140		6.38	30	
Fluoranthene	2.01	0.0906	"	0.905	1.09	101	10-160		5.77	30	
Fluorene	0.608	0.0906	"	0.905	0.240	40.7	10-157		16.5	30	
Hexachlorobenzene	0.332	0.0906	"	0.905	ND	36.6	10-137		7.76	30	
Hexachlorobutadiene	0.299	0.0906	"	0.905	ND	33.0	10-132		10.4	30	
Hexachlorocyclopentadiene	ND	0.0906	"	0.905	ND		10-106	Low Bias		30	
Hexachloroethane	0.185	0.0906	"	0.905	ND	20.4	10-110		9.02	30	
Indeno(1,2,3-cd)pyrene	0.716	0.0906	"	0.905	0.309	45.0	10-144		14.2	30	
Isophorone	0.420	0.0906	"	0.905	ND	46.4	10-132		9.58	30	
Naphthalene	0.543	0.0906	"	0.905	0.307	26.1	10-141		31.3	30	Non-dir.
Nitrobenzene	0.421	0.0906	"	0.905	ND	46.5	10-131		14.2	30	
N-Nitrosodimethylamine	0.448	0.0906	"	0.905	ND	49.4	10-126		35.9	30	Non-dir.
N-nitroso-di-n-propylamine	0.470	0.0906	"	0.905	ND	51.9	10-125		18.7	30	
N-Nitrosodiphenylamine	0.403	0.0906	"	0.905	ND	44.6	10-177		10.1	30	
Pentachlorophenol	ND	0.0906	"	0.905	ND		10-153	Low Bias		30	
Phenanthrene	1.57	0.0906	"	0.905	0.999	63.2	10-148		34.8	30	Non-dir.
Phenol	0.408	0.0906	"	0.905	ND	45.0	10-126		12.5	30	
Pyrene	1.84	0.0906	"	0.905	0.994	93.4	10-165		3.18	30	
Pyridine	0.388	0.363	"	0.905	ND	42.9	10-83		57.4	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.552*		*"*	*1.81*		*30.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.803*		*"*	*1.81*		*44.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.444*		*"*	*0.905*		*49.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.340*		*"*	*0.905*		*37.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.105*		*"*	*1.81*		*5.80*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.380*		*"*	*0.905*		*41.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22099 - EPA 3550C											
Blank (BC22099-BLK1) Blank								Prepared & Analyzed: 03/14/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*39-127.5*				
LCS (BC22099-BS1) LCS								Prepared & Analyzed: 03/14/2022			
1,4-Dioxane	495	19.8	ug/kg	495		100	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BC22099-MS1) Matrix Spike *Source sample: 22C0739-01 (Matrix Spike)								Prepared & Analyzed: 03/14/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BC22099-M Matrix Spike Dup *Source sample: 22C0739-01 (Matrix Spike Dup)								Prepared & Analyzed: 03/14/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BC22066-BLK1) Blank								Prepared: 03/11/2022 Analyzed: 03/15/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	0.246	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.246	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.246	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.246	"								
Perfluorooctanoic acid (PFOA)	ND	0.246	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.246	"								
Perfluorononanoic acid (PFNA)	ND	0.246	"								
Perfluorodecanoic acid (PFDA)	ND	0.246	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.246	"								
Perfluorododecanoic acid (PFDoA)	ND	0.246	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.246	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.246	"								
N-MeFOSAA	ND	0.246	"								
N-EtFOSAA	ND	0.246	"								
Perfluoropentanoic acid (PFPeA)	ND	0.246	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.246	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.246	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.246	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.246	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.246	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.246	"								
Surrogate: M3PFBS	*4.82*		"	*4.57*		*105*	*25-150*				
Surrogate: M5PFHxA	*4.95*		"	*4.92*		*100*	*25-150*				
Surrogate: M4PFHpA	*5.19*		"	*4.92*		*105*	*25-150*				
Surrogate: M3PFHxS	*4.70*		"	*4.66*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.79*		"	*4.92*		*97.2*	*25-150*				
Surrogate: M6PFDA	*4.59*		"	*4.92*		*93.3*	*25-150*				
Surrogate: M7PFUdA	*3.21*		"	*4.92*		*65.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.70*		"	*4.92*		*95.5*	*25-150*				
Surrogate: M2PFTeDA	*3.03*		"	*4.92*		*61.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.18*		"	*4.92*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.11*		"	*4.71*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.25*		"	*4.92*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.64*		"	*4.92*		*33.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.25*		"	*4.92*		*107*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.55*		"	*4.92*		*92.4*	*25-150*				
Surrogate: M2-6:2 FTS	*6.35*		"	*4.67*		*136*	*25-200*				
Surrogate: M2-8:2 FTS	*4.22*		"	*4.72*		*89.5*	*25-200*				
Surrogate: M9PFNA	*6.58*		"	*4.92*		*134*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC22066-BS1) LCS								Prepared: 03/11/2022 Analyzed: 03/15/2022			
Perfluorobutanesulfonic acid (PFBS)	4.27	0.231	ug/kg wet	4.08		104	50-130				
Perfluorohexanoic acid (PFHxA)	4.66	0.231	"	4.61		101	50-130				
Perfluoroheptanoic acid (PFHpA)	4.85	0.231	"	4.61		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.56	0.231	"	4.20		84.7	50-130				
Perfluorooctanoic acid (PFOA)	5.22	0.231	"	4.61		113	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.10	0.231	"	4.27		120	50-130				
Perfluorononanoic acid (PFNA)	4.32	0.231	"	4.61		93.6	50-130				
Perfluorodecanoic acid (PFDA)	5.30	0.231	"	4.61		115	50-130				
Perfluoroundecanoic acid (PFUnA)	4.28	0.231	"	4.61		92.9	50-130				
Perfluorododecanoic acid (PFDoA)	4.89	0.231	"	4.61		106	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.25	0.231	"	4.61		92.1	50-130				
Perfluorotetradecanoic acid (PFTA)	4.35	0.231	"	4.61		94.2	50-130				
N-MeFOSAA	4.25	0.231	"	4.61		92.0	50-130				
N-EtFOSAA	4.21	0.231	"	4.61		91.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.72	0.231	"	4.61		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.02	0.231	"	4.61		109	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.29	0.231	"	4.41		120	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.26	0.231	"	4.45		73.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	2.85	0.231	"	4.38		65.1	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.76	0.231	"	4.43		107	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.78	0.231	"	4.61		104	50-130				
Surrogate: M3PFBS	*4.12*		*"*	*4.29*		*96.1*	*25-150*				
Surrogate: M5PFHxA	*4.18*		*"*	*4.61*		*90.6*	*25-150*				
Surrogate: M4PFHpA	*4.31*		*"*	*4.61*		*93.5*	*25-150*				
Surrogate: M3PFHxS	*4.95*		*"*	*4.36*		*113*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.09*		*"*	*4.61*		*88.7*	*25-150*				
Surrogate: M6PFDA	*3.19*		*"*	*4.61*		*69.1*	*25-150*				
Surrogate: M7PFUdA	*3.59*		*"*	*4.61*		*77.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.57*		*"*	*4.61*		*77.3*	*25-150*				
Surrogate: M2PFTeDA	*2.42*		*"*	*4.61*		*52.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.39*		*"*	*4.61*		*95.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.40*		*"*	*4.42*		*99.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.37*		*"*	*4.61*		*94.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.11*		*"*	*4.61*		*67.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.17*		*"*	*4.61*		*90.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.37*		*"*	*4.61*		*94.7*	*25-150*				
Surrogate: M2-6:2 FTS	*4.63*		*"*	*4.38*		*106*	*25-200*				
Surrogate: M2-8:2 FTS	*3.96*		*"*	*4.42*		*89.7*	*25-200*				
Surrogate: M9PFNA	*5.19*		*"*	*4.61*		*112*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC22066-MS1) Matrix Spike	*Source sample: 22C0623-07 (EP24_7.5)									Prepared: 03/11/2022 Analyzed: 03/15/2022	
Perfluorobutanesulfonic acid (PFBS)	6.13	0.317	ug/kg dry	5.61	ND	109	25-150				
Perfluorohexanoic acid (PFHxA)	6.43	0.317	"	6.34	ND	102	25-150				
Perfluoroheptanoic acid (PFHpA)	7.12	0.317	"	6.34	ND	112	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.25	0.317	"	5.77	ND	91.1	25-150				
Perfluorooctanoic acid (PFOA)	6.02	0.317	"	6.34	ND	95.0	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.44	0.317	"	5.86	ND	110	25-150				
Perfluorononanoic acid (PFNA)	5.29	0.317	"	6.34	ND	83.4	25-150				
Perfluorodecanoic acid (PFDA)	6.26	0.317	"	6.34	ND	98.8	25-150				
Perfluoroundecanoic acid (PFUnA)	6.42	0.317	"	6.34	ND	101	25-150				
Perfluorododecanoic acid (PFDoA)	6.68	0.317	"	6.34	ND	105	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.62	0.317	"	6.34	ND	88.6	25-150				
Perfluorotetradecanoic acid (PFTA)	6.76	0.317	"	6.34	ND	107	25-150				
N-MeFOSAA	6.57	0.317	"	6.34	ND	104	25-150				
N-EtFOSAA	4.74	0.317	"	6.34	ND	74.7	25-150				
Perfluoropentanoic acid (PFPeA)	6.30	0.317	"	6.34	ND	99.4	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	7.03	0.317	"	6.34	ND	111	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.78	0.317	"	6.05	ND	112	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.68	0.317	"	6.12	ND	76.5	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.74	0.317	"	6.02	ND	145	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.76	0.317	"	6.08	ND	128	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.90	0.317	"	6.34	ND	109	25-150				
Surrogate: M3PFBS	*5.32*		*"*	*5.89*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*5.72*		*"*	*6.34*		*90.3*	*25-150*				
Surrogate: M4PFHpA	*5.59*		*"*	*6.34*		*88.2*	*25-150*				
Surrogate: M3PFHxS	*6.70*		*"*	*6.00*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*6.58*		*"*	*6.34*		*104*	*25-150*				
Surrogate: M6PFDA	*6.22*		*"*	*6.34*		*98.1*	*25-150*				
Surrogate: M7PFUdA	*5.08*		*"*	*6.34*		*80.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.14*		*"*	*6.34*		*81.0*	*25-150*				
Surrogate: M2PFTeDA	*4.23*		*"*	*6.34*		*66.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.60*		*"*	*6.34*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*7.06*		*"*	*6.07*		*116*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.77*		*"*	*6.34*		*91.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.31*		*"*	*6.34*		*68.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.77*		*"*	*6.34*		*107*	*25-150*				
Surrogate: d5-N-EtFOSAA	*8.58*		*"*	*6.34*		*135*	*25-150*				
Surrogate: M2-6:2 FTS	*4.50*		*"*	*6.01*		*74.8*	*25-200*				
Surrogate: M2-8:2 FTS	*5.31*		*"*	*6.07*		*87.5*	*25-200*				
Surrogate: M9PFNA	*8.04*		*"*	*6.34*		*127*	*25-150*				

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

York Analytical Laboratories, Inc.

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

Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC22066-MS2) Matrix Spike *Source sample: 22C0623-08 (DUP04_03102022) Prepared: 03/11/2022 Analyzed: 03/15/2022

Perfluorobutanesulfonic acid (PFBS)	5.05	0.276	ug/kg dry	4.88	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	5.57	0.276	"	5.52	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	6.46	0.276	"	5.52	ND	117	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.99	0.276	"	5.02	ND	99.3	25-150				
Perfluorooctanoic acid (PFOA)	5.93	0.276	"	5.52	ND	107	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.23	0.276	"	5.11	ND	102	25-150				
Perfluorononanoic acid (PFNA)	4.90	0.276	"	5.52	ND	88.7	25-150				
Perfluorodecanoic acid (PFDA)	5.74	0.276	"	5.52	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	4.98	0.276	"	5.52	ND	90.3	25-150				
Perfluorododecanoic acid (PFDoA)	5.61	0.276	"	5.52	ND	102	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.39	0.276	"	5.52	ND	79.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.11	0.276	"	5.52	ND	92.7	25-150				
N-MeFOSAA	5.38	0.276	"	5.52	ND	97.4	25-150				
N-EtFOSAA	5.46	0.276	"	5.52	ND	98.8	25-150				
Perfluoropentanoic acid (PFPeA)	5.21	0.276	"	5.52	ND	94.4	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.89	0.276	"	5.52	ND	88.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.65	0.276	"	5.27	ND	107	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.03	0.276	"	5.33	ND	75.7	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	7.20	0.276	"	5.24	ND	137	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.58	0.276	"	5.30	ND	86.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.82	0.276	"	5.52	ND	105	25-150				
Surrogate: M3PFBS	*4.52*		"	*5.13*		*88.2*	*25-150*				
Surrogate: M5PFHxA	*5.01*		"	*5.52*		*90.8*	*25-150*				
Surrogate: M4PFHpA	*4.92*		"	*5.52*		*89.2*	*25-150*				
Surrogate: M3PFHxS	*5.43*		"	*5.22*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.72*		"	*5.52*		*85.5*	*25-150*				
Surrogate: M6PFDA	*4.66*		"	*5.52*		*84.4*	*25-150*				
Surrogate: M7PFUdA	*4.69*		"	*5.52*		*84.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.48*		"	*5.52*		*81.1*	*25-150*				
Surrogate: M2PFTeDA	*3.09*		"	*5.52*		*56.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.07*		"	*5.52*		*91.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.38*		"	*5.28*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.41*		"	*5.52*		*98.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.06*		"	*5.52*		*73.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.00*		"	*5.52*		*90.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.78*		"	*5.52*		*86.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.69*		"	*5.24*		*70.5*	*25-200*				
Surrogate: M2-8:2 FTS	*3.86*		"	*5.29*		*73.1*	*25-200*				
Surrogate: M9PFNA	*6.45*		"	*5.52*		*117*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC22066-M Matrix Spike Dup *Source sample: 22C0623-07 (EP24_7.5) Prepared: 03/11/2022 Analyzed: 03/15/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.61	0.315	ug/kg dry	5.58	ND	100	25-150		8.92	35	
Perfluorohexanoic acid (PFHxA)	5.78	0.315	"	6.31	ND	91.7	25-150		10.6	35	
Perfluoroheptanoic acid (PFHpA)	6.43	0.315	"	6.31	ND	102	25-150		10.3	35	
Perfluorohexanesulfonic acid (PFHxS)	4.87	0.315	"	5.74	ND	84.8	25-150		7.60	35	
Perfluorooctanoic acid (PFOA)	5.99	0.315	"	6.31	ND	95.0	25-150		0.502	35	
Perfluorooctanesulfonic acid (PFOS)	7.58	0.315	"	5.84	ND	130	25-150		16.2	35	
Perfluorononanoic acid (PFNA)	5.06	0.315	"	6.31	ND	80.2	25-150		4.40	35	
Perfluorodecanoic acid (PFDA)	6.28	0.315	"	6.31	ND	99.5	25-150		0.316	35	
Perfluoroundecanoic acid (PFUnA)	5.80	0.315	"	6.31	ND	91.9	25-150		10.2	35	
Perfluorododecanoic acid (PFDoA)	6.49	0.315	"	6.31	ND	103	25-150		2.80	35	
Perfluorotridecanoic acid (PFTrDA)	5.27	0.315	"	6.31	ND	83.5	25-150		6.40	35	
Perfluorotetradecanoic acid (PFTA)	5.67	0.315	"	6.31	ND	89.9	25-150		17.4	35	
N-MeFOSAA	6.18	0.315	"	6.31	ND	97.9	25-150		6.11	35	
N-EtFOSAA	6.67	0.315	"	6.31	ND	106	25-150		33.9	35	
Perfluoropentanoic acid (PFPeA)	6.09	0.315	"	6.31	ND	96.6	25-150		3.33	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.71	0.315	"	6.31	ND	90.5	25-150		20.7	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.13	0.315	"	6.03	ND	135	25-150		18.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.98	0.315	"	6.09	ND	81.7	25-150		6.11	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.83	0.315	"	5.99	ND	80.6	25-200		57.6	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.33	0.315	"	6.06	ND	105	25-200		20.2	35	
Perfluoro-n-butanoic acid (PFBA)	7.01	0.315	"	6.31	ND	111	25-150		1.51	35	
Surrogate: M3PFBS	*5.14*		"	*5.86*		*87.7*	*25-150*				
Surrogate: M5PFHxA	*5.82*		"	*6.31*		*92.2*	*25-150*				
Surrogate: M4PFHpA	*5.42*		"	*6.31*		*85.9*	*25-150*				
Surrogate: M3PFHxS	*6.26*		"	*5.97*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*6.47*		"	*6.31*		*102*	*25-150*				
Surrogate: M6PFDA	*5.81*		"	*6.31*		*92.1*	*25-150*				
Surrogate: M7PFUdA	*4.74*		"	*6.31*		*75.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.05*		"	*6.31*		*80.0*	*25-150*				
Surrogate: M2PFTeDA	*4.34*		"	*6.31*		*68.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.28*		"	*6.31*		*83.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.97*		"	*6.04*		*98.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.69*		"	*6.31*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.72*		"	*6.31*		*59.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.69*		"	*6.31*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.89*		"	*6.31*		*93.4*	*25-150*				
Surrogate: M2-6:2 FTS	*8.29*		"	*5.99*		*138*	*25-200*				
Surrogate: M2-8:2 FTS	*7.27*		"	*6.04*		*120*	*25-200*				
Surrogate: M9PFNA	*7.43*		"	*6.31*		*118*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BC22066 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC22066-M Matrix Spike Dup *Source sample: 22C0623-08 (DUP04_03102022) Prepared: 03/11/2022 Analyzed: 03/15/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.37	0.261	ug/kg dry	4.62	ND	94.6	25-150		14.5	35	
Perfluorohexanoic acid (PFHxA)	4.80	0.261	"	5.22	ND	92.0	25-150		14.7	35	
Perfluoroheptanoic acid (PFHpA)	7.18	0.261	"	5.22	ND	137	25-150		10.6	35	
Perfluorohexanesulfonic acid (PFHxS)	4.46	0.261	"	4.75	ND	93.8	25-150		11.2	35	
Perfluorooctanoic acid (PFOA)	5.61	0.261	"	5.22	ND	107	25-150		5.62	35	
Perfluorooctanesulfonic acid (PFOS)	5.11	0.261	"	4.83	ND	106	25-150		2.29	35	
Perfluorononanoic acid (PFNA)	4.55	0.261	"	5.22	ND	87.1	25-150		7.36	35	
Perfluorodecanoic acid (PFDA)	5.02	0.261	"	5.22	ND	96.2	25-150		13.3	35	
Perfluoroundecanoic acid (PFUnA)	5.58	0.261	"	5.22	ND	107	25-150		11.3	35	
Perfluorododecanoic acid (PFDoA)	5.16	0.261	"	5.22	ND	98.9	25-150		8.40	35	
Perfluorotridecanoic acid (PFTrDA)	4.48	0.261	"	5.22	ND	85.7	25-150		2.06	35	
Perfluorotetradecanoic acid (PFTA)	5.13	0.261	"	5.22	ND	98.2	25-150		0.252	35	
N-MeFOSAA	5.68	0.261	"	5.22	ND	109	25-150		5.48	35	
N-EtFOSAA	3.48	0.261	"	5.22	ND	66.6	25-150		44.3	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	5.19	0.261	"	5.22	ND	99.3	25-150		0.390	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.86	0.261	"	5.22	ND	112	25-150		18.0	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.59	0.261	"	4.99	ND	112	25-150		0.912	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.19	0.261	"	5.04	ND	83.1	25-150		3.78	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.67	0.261	"	4.96	ND	74.0	25-200		64.9	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.90	0.261	"	5.01	ND	97.7	25-200		6.60	35	
Perfluoro-n-butanoic acid (PFBA)	5.42	0.261	"	5.22	ND	104	25-150		7.07	35	
Surrogate: M3PFBS	*4.47*		"	*4.85*		*92.2*	*25-150*				
Surrogate: M5PFHxA	*4.94*		"	*5.22*		*94.6*	*25-150*				
Surrogate: M4PFHpA	*3.53*		"	*5.22*		*67.6*	*25-150*				
Surrogate: M3PFHxS	*4.83*		"	*4.94*		*97.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.86*		"	*5.22*		*93.1*	*25-150*				
Surrogate: M6PFDA	*4.50*		"	*5.22*		*86.2*	*25-150*				
Surrogate: M7PFUdA	*3.84*		"	*5.22*		*73.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.31*		"	*5.22*		*82.6*	*25-150*				
Surrogate: M2PFTeDA	*3.61*		"	*5.22*		*69.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.66*		"	*5.22*		*89.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.00*		"	*5.00*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.75*		"	*5.22*		*91.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.31*		"	*5.22*		*63.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.27*		"	*5.22*		*81.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.80*		"	*5.22*		*111*	*25-150*				
Surrogate: M2-6:2 FTS	*6.16*		"	*4.96*		*124*	*25-200*				
Surrogate: M2-8:2 FTS	*3.09*		"	*5.00*		*61.7*	*25-200*				
Surrogate: M9PFNA	*6.42*		"	*5.22*		*123*	*25-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22159 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC22159-BLK1) Blank									Prepared: 03/14/2022 Analyzed: 03/15/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*56.8*		"	*74.3*		*76.5*	*25-150*				
Surrogate: M5PFHxA	*64.1*		"	*80.0*		*80.1*	*25-150*				
Surrogate: M4PFHpA	*69.4*		"	*80.0*		*86.7*	*25-150*				
Surrogate: M3PFHxS	*62.2*		"	*75.7*		*82.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.7*		"	*80.0*		*87.1*	*25-150*				
Surrogate: M6PFDA	*70.9*		"	*80.0*		*88.6*	*25-150*				
Surrogate: M7PFUdA	*70.8*		"	*80.0*		*88.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.3*		"	*80.0*		*89.1*	*25-150*				
Surrogate: M2PFTeDA	*50.1*		"	*80.0*		*62.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.1*		"	*80.0*		*80.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.2*		"	*76.6*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*64.8*		"	*80.0*		*81.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*14.5*		"	*80.0*		*18.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*80.7*		"	*80.0*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*80.7*		"	*80.0*		*101*	*25-150*				
Surrogate: M2-6:2 FTS	*74.9*		"	*75.9*		*98.7*	*25-200*				
Surrogate: M2-8:2 FTS	*74.3*		"	*76.6*		*97.0*	*25-200*				
Surrogate: M9PFNA	*77.4*		"	*80.0*		*96.7*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21999 - EPA 3550C											
Blank (BC21999-BLK1) Blank								Prepared: 03/11/2022 Analyzed: 03/13/2022			
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.100*		*"*	*0.0664*		*151*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0694*		*"*	*0.0664*		*104*	*30-150*				
LCS (BC21999-BS1) LCS								Prepared: 03/11/2022 Analyzed: 03/13/2022			
4,4'-DDD	0.0438	0.00164	mg/kg wet	0.0332		132	40-140				
4,4'-DDE	0.0375	0.00164	"	0.0332		113	40-140				
4,4'-DDT	0.0317	0.00164	"	0.0332		95.5	40-140				
Aldrin	0.0445	0.00164	"	0.0332		134	40-140				
alpha-BHC	0.0456	0.00164	"	0.0332		137	40-140				
alpha-Chlordane	0.0437	0.00164	"	0.0332		132	40-140				
beta-BHC	0.0419	0.00164	"	0.0332		126	40-140				
delta-BHC	0.0395	0.00164	"	0.0332		119	40-140				
Dieldrin	0.0438	0.00164	"	0.0332		132	40-140				
Endosulfan I	0.0454	0.00164	"	0.0332		137	40-140				
Endosulfan II	0.0429	0.00164	"	0.0332		129	40-140				
Endosulfan sulfate	0.0377	0.00164	"	0.0332		113	40-140				
Endrin	0.0416	0.00164	"	0.0332		125	40-140				
Endrin aldehyde	0.0606	0.00164	"	0.0332		183	40-140	High Bias			
Endrin ketone	0.0531	0.00164	"	0.0332		160	40-140	High Bias			
gamma-BHC (Lindane)	0.0459	0.00164	"	0.0332		138	40-140				
gamma-Chlordane	0.0438	0.00164	"	0.0332		132	40-140				
Heptachlor	0.0428	0.00164	"	0.0332		129	40-140				
Heptachlor epoxide	0.0446	0.00164	"	0.0332		134	40-140				
Methoxychlor	0.0417	0.00164	"	0.0332		126	40-140				
Surrogate: Decachlorobiphenyl	*0.0961*		*"*	*0.0664*		*145*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0665*		*"*	*0.0664*		*100*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21999 - EPA 3550C											
Blank (BC21999-BLK2) Blank								Prepared & Analyzed: 03/11/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0621*		*"*	*0.0664*		*93.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0701*		*"*	*0.0664*		*106*	*30-150*				
LCS (BC21999-BS2) LCS								Prepared & Analyzed: 03/11/2022			
Aroclor 1016	0.281	0.0166	mg/kg wet	0.332		84.6	40-140			30	
Aroclor 1260	0.329	0.0166	"	0.332		99.1	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0565*		*"*	*0.0664*		*85.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0654*		*"*	*0.0664*		*98.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22041 - EPA 3550C/8151A											
Blank (BC22041-BLK1) Blank									Prepared: 03/12/2022 Analyzed: 03/14/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.381*		*"*	*0.415*		*91.8*	*21-150*				
LCS (BC22041-BS1) LCS									Prepared: 03/12/2022 Analyzed: 03/14/2022		
2,4,5-T	0.100	0.0199	mg/kg wet	0.133		75.6	10-120				
2,4,5-TP (Silvex)	0.101	0.0199	"	0.133		76.2	10-120				
2,4-D	0.115	0.0199	"	0.133		86.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.360*		*"*	*0.415*		*86.6*	*21-150*				
Matrix Spike (BC22041-MS1) Matrix Spike *Source sample: 22C0448-01 (Matrix Spike)									Prepared: 03/12/2022 Analyzed: 03/14/2022		
2,4,5-T	0.114	0.0205	mg/kg dry	0.137	ND	83.1	10-120				
2,4,5-TP (Silvex)	0.109	0.0205	"	0.137	ND	80.0	10-120				
2,4-D	0.129	0.0205	"	0.137	ND	94.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.380*		*"*	*0.427*		*89.0*	*21-150*				
Matrix Spike Dup (BC22041-M Matrix Spike Dup *Source sample: 22C0448-01 (Matrix Spike Dup)									Prepared: 03/12/2022 Analyzed: 03/14/2022		
2,4,5-T	0.130	0.0205	mg/kg dry	0.137	ND	95.0	10-120		13.3	35	
2,4,5-TP (Silvex)	0.127	0.0205	"	0.137	ND	92.5	10-120		14.5	35	
2,4-D	0.150	0.0205	"	0.137	ND	109	10-118		14.7	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.380*		*"*	*0.427*		*88.8*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22081 - EPA 3050B											
Blank (BC22081-BLK1) Blank									Prepared: 03/11/2022 Analyzed: 03/14/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	6.99	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC22081-DUP1) Duplicate	*Source sample: 22C0665-09 (Duplicate)								Prepared: 03/11/2022 Analyzed: 03/14/2022		
Aluminum	6610	6.25	mg/kg dry		6920				4.59	35	
Antimony	ND	3.12	"		ND					35	
Arsenic	10.6	1.87	"		4.44				81.6	35	Non-dir.
Barium	74.8	3.12	"		71.2				4.94	35	
Beryllium	ND	0.062	"		ND					35	
Cadmium	0.426	0.375	"		0.722				51.6	35	Non-dir.
Calcium	72100	6.25	"		47200				41.8	35	Non-dir.
Chromium	16.2	0.625	"		23.4				36.2	35	Non-dir.
Cobalt	6.35	0.500	"		6.54				2.89	35	
Copper	68.0	2.50	"		74.1				8.50	35	
Iron	14700	31.2	"		16700				12.1	35	
Lead	164	0.625	"		151				8.38	35	
Magnesium	36100	6.25	"		18400				65.1	35	Non-dir.
Manganese	301	0.625	"		232				25.7	35	
Nickel	15.6	1.25	"		22.6				37.1	35	Non-dir.
Potassium	1250	6.25	"		1360				8.01	35	
Selenium	11.0	3.12	"		ND					35	
Silver	ND	0.625	"		ND					35	
Sodium	312	62.5	"		272				13.5	35	
Thallium	ND	3.12	"		ND					35	
Vanadium	27.3	1.25	"		28.4				3.80	35	
Zinc	192	3.12	"		259				29.5	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22081 - EPA 3050B											
Matrix Spike (BC22081-MS1) Matrix Spike	*Source sample: 22C0665-09 (Matrix Spike)								Prepared: 03/11/2022 Analyzed: 03/14/2022		
Aluminum	18500	6.25	mg/kg dry	250	6920	NR	75-125	High Bias			
Antimony	13.7	3.12	"	31.2	ND	43.8	75-125	Low Bias			
Arsenic	249	1.87	"	250	4.44	98.0	75-125				
Barium	467	3.12	"	250	71.2	159	75-125	High Bias			
Beryllium	6.95	0.062	"	6.25	ND	111	75-125				
Cadmium	6.62	0.375	"	6.25	0.722	94.4	75-125				
Calcium	13500	6.25	"	125	47200	NR	75-125	Low Bias			
Chromium	60.4	0.625	"	25.0	23.4	148	75-125	High Bias			
Cobalt	80.0	0.500	"	62.5	6.54	118	75-125				
Copper	124	2.50	"	31.2	74.1	159	75-125	High Bias			
Iron	27000	31.2	"	125	16700	NR	75-125	High Bias			
Lead	172	0.625	"	62.5	151	33.5	75-125	Low Bias			
Magnesium	4900	6.25	"	125	18400	NR	75-125	Low Bias			
Manganese	330	0.625	"	62.5	232	156	75-125	High Bias			
Nickel	129	1.25	"	62.5	22.6	170	75-125	High Bias			
Potassium	1870	6.25	"	125	1360	407	75-125	High Bias			
Selenium	173	3.12	"	250	ND	69.3	75-125	Low Bias			
Silver	6.20	0.625	"	6.25	ND	99.3	75-125				
Sodium	3210	62.5	"	125	272	NR	75-125	High Bias			
Thallium	237	3.12	"	250	ND	95.1	75-125				
Vanadium	139	1.25	"	62.5	28.4	177	75-125	High Bias			
Zinc	297	3.12	"	62.5	259	61.2	75-125	Low Bias			
Post Spike (BC22081-PS1) Post Spike	*Source sample: 22C0665-09 (Post Spike)								Prepared: 03/11/2022 Analyzed: 03/14/2022		
Aluminum	57.4		ug/mL	2.00	55.4	100	75-125				
Antimony	0.307		"	0.250	-0.006	123	75-125				
Arsenic	2.23		"	2.00	0.036	110	75-125				
Barium	2.80		"	2.00	0.570	112	75-125				
Beryllium	0.050		"	0.0500	-0.006	100	75-125				
Cadmium	0.059		"	0.0500	0.006	106	75-125				
Calcium	375		"	1.00	378	NR	75-125	Low Bias			
Chromium	0.399		"	0.200	0.187	106	75-125				
Cobalt	0.592		"	0.500	0.052	108	75-125				
Copper	0.906		"	0.250	0.593	125	75-125				
Iron	133		"	1.00	133	NR	75-125	Low Bias			
Lead	1.75		"	0.500	1.21	108	75-125				
Magnesium	146		"	1.00	147	NR	75-125	Low Bias			
Manganese	2.40		"	0.500	1.86	108	75-125				
Nickel	0.758		"	0.500	0.181	115	75-125				
Potassium	12.0		"	1.00	10.9	109	75-125				
Selenium	1.93		"	2.00	-0.010	96.4	75-125				
Silver	0.031		"	0.0500	0.0005	61.2	75-125	Low Bias			
Sodium	3.33		"	1.00	2.18	115	75-125				
Thallium	2.07		"	2.00	-0.031	103	75-125				
Vanadium	0.783		"	0.500	0.227	111	75-125				
Zinc	2.50		"	0.500	2.07	86.0	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22081 - EPA 3050B											
Reference (BC22081-SRM1) Reference								Prepared: 03/11/2022 Analyzed: 03/14/2022			
Aluminum	10100	5.00	mg/kg wet	10100		100	39.5-118.8				
Antimony	78.2	2.50	"	244		32.0	10-123				
Arsenic	107	1.50	"	109		97.8	63.7-118.3				
Barium	386	2.50	"	364		106	70.3-117				
Beryllium	57.9	0.050	"	57.0		102	69.3-115.4				
Cadmium	48.5	0.300	"	48.7		99.5	67.8-112.9				
Calcium	5070	5.00	"	5190		97.6	66.3-116.6				
Chromium	168	0.500	"	173		97.1	65.3-120.8				
Cobalt	156	0.400	"	148		105	70.3-117.6				
Copper	220	2.00	"	179		123	70.9-117.9	High Bias			
Iron	15700	25.0	"	15000		105	36.8-162.7				
Lead	105	0.500	"	101		104	69.1-126.7				
Magnesium	2670	5.00	"	2570		104	56.4-124.9				
Manganese	396	0.500	"	370		107	72.2-119.2				
Nickel	60.5	1.00	"	52.2		116	63.4-117.8				
Potassium	2350	5.00	"	2420		96.9	49.6-118.6				
Selenium	62.6	2.50	"	104		60.2	58.5-122.1				
Silver	28.0	0.500	"	29.9		93.5	63.5-123.7				
Sodium	159	50.0	"	161		98.8	30.1-139.1				
Thallium	94.6	2.50	"	101		93.7	59.8-120.8				
Vanadium	189	1.00	"	194		97.7	73.2-117				
Zinc	416	2.50	"	431		96.6	74.9-121.1				

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

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22120 - EPA 7473 soil												
Blank (BC22120-BLK1)	Blank								Prepared & Analyzed: 03/14/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC22120-DUP1)	Duplicate	*Source sample: 22C0394-05 (Duplicate)							Prepared & Analyzed: 03/14/2022			
Mercury		ND	0.0349	mg/kg dry		0.0366					35	
Matrix Spike (BC22120-MS1)	Matrix Spike	*Source sample: 22C0394-05 (Matrix Spike)							Prepared & Analyzed: 03/14/2022			
Mercury		0.524		mg/kg	0.500	0.0315	98.5	75-125				
Reference (BC22120-SRM1)	Reference								Prepared & Analyzed: 03/14/2022			
Mercury		22.436		mg/kg	27.2		82.5	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22116 - EPA SW846-3060												
Blank (BC22116-BLK1)	Blank								Prepared & Analyzed: 03/14/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC22116-DUP1)	Duplicate	*Source sample: 22C0451-03 (Duplicate)							Prepared & Analyzed: 03/14/2022			
Chromium, Hexavalent		ND	0.588	mg/kg dry		ND					35	
Matrix Spike (BC22116-MS1)	Matrix Spike	*Source sample: 22C0451-03 (Matrix Spike)							Prepared & Analyzed: 03/14/2022			
Chromium, Hexavalent		4.94	0.588	mg/kg dry	23.5	ND	21.0	75-125	Low Bias			
Reference (BC22116-SRM1)	Reference								Prepared & Analyzed: 03/14/2022			
Chromium, Hexavalent		61.2		mg/L	109		56.2	30-169.7				
Batch BC22124 - Analysis Preparation Soil												
Blank (BC22124-BLK1)	Blank								Prepared & Analyzed: 03/14/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC22124-DUP1)	Duplicate	*Source sample: 22C0623-04 (EP54_7.5)							Prepared & Analyzed: 03/14/2022			
Cyanide, total		ND	0.571	mg/kg dry		ND					15	
Matrix Spike (BC22124-MS1)	Matrix Spike	*Source sample: 22C0623-04 (EP54_7.5)							Prepared & Analyzed: 03/14/2022			
Cyanide, total		8.31	0.571	mg/kg dry	11.4	ND	72.9	79.6-107	Low Bias			
Reference (BC22124-SRM1)	Reference								Prepared & Analyzed: 03/14/2022			
Cyanide, total		83.2		ug/mL	86.8		95.8	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22132 - % Solids Prep												
Duplicate (BC22132-DUP1)	Duplicate	*Source sample: 22C0665-12 (Duplicate)								Prepared & Analyzed: 03/14/2022		
% Solids		79.5	0.100	%		80.1				0.732	20	
Batch BC22257 - % Solids Prep												
Duplicate (BC22257-DUP1)	Duplicate	*Source sample: 22C0432-01 (Duplicate)								Prepared & Analyzed: 03/15/2022		
% Solids		95.5	0.100	%		95.8				0.322	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0623-01	EP43_7.5	40mL Vial with Stir Bar-Cool 4° C
22C0623-02	EP44_7.5	40mL Vial with Stir Bar-Cool 4° C
22C0623-03	EP45_7.5	40mL Vial with Stir Bar-Cool 4° C
22C0623-04	EP54_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

York Analytical Laboratories, Inc.
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132-02 89th Ave, Queens, NY 11418
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www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0623

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor NY, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Simon	Contact:	Contact:
E-mail: Ksimon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	✓
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turnaround-time clock will not begin until any questions by YORK are resolved.

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

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

	✓
New York	✓
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report
QA Report
NY ASP B Package
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
NJDKQP
Standard Excel EDD
EQuIS (Standard)
NYSDEC EQuIS
NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP43_7.5	S	3/10/22 1005	TCL/Part 375 VOCs, SVOCs, PCBs, pesticides, herbicides	
EP44_7.5		1010	metals including cyanide, hex & trivalent	
EP45_7.5		1015	chromium, PFAS, 1-4-dioxide.	
EP54_7.5		1030		
FB01_PFAS_03102022	other AQ	3/10/22 1050	PFAS	
EP23_7.5	S	1225		
EP24_7.5	S	1230		MS/MSD
DUP04_03102022	S			

Comments: Please include lesmail@langan.com; maronica@langan.com } for all correspondence

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Langan	3/10/22 1353	Test N York Labs	3/10/22 1336	Test N York Labs	3/10/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Temp. Received at Lab
				TC Patel 3/10/22 2024	4.2 Degrees C

Technical Report

prepared for:

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

Report Date: 03/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0748

Revision No. **1.0**

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

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

Report Date: 03/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0748

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 11, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0748-01	EP04_6.5	Soil	03/11/2022	03/11/2022
22C0748-02	EP13_6.5	Soil	03/11/2022	03/11/2022
22C0748-03	EP15_6.5	Soil	03/11/2022	03/11/2022
22C0748-04	EP12_6.5	Soil	03/11/2022	03/11/2022
22C0748-05	EP11_6.5	Soil	03/11/2022	03/11/2022
22C0748-06	EP03_6.5	Soil	03/11/2022	03/11/2022

General Notes for York Project (SDG) No.: 22C0748

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

Approved By **Date:** 03/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP04_6.5 **York Sample ID:** 22C0748-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 10:00 am	03/11/2022

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.462**		mg/kg dry	0.0354	1	EPA 7473	03/15/2022 10:29	03/15/2022 15:40	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.6**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP13_6.5 **York Sample ID:** 22C0748-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 10:05 am	03/11/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.293**		mg/kg dry	0.0502	0.100	2	EPA 8270D	03/16/2022 13:02	03/17/2022 13:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.0 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*74.7 %*	*24-116*

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**416**		mg/kg dry	1.22	1	EPA 6010D	03/15/2022 16:45	03/16/2022 16:20	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.9**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP15_6.5 **York Sample ID:** 22C0748-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 9:51 am	03/11/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**563**		mg/kg dry	1.32	1	EPA 6010D	03/14/2022 22:00	03/15/2022 13:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.7**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP12_6.5 **York Sample ID:** 22C0748-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 11:00 am	03/11/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.326**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.383**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.274**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.319**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.0819**	J	mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.191**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	03/14/2022 08:14	03/14/2022 15:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*76.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*60.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*76.1 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP11_6.5 **York Sample ID:** 22C0748-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 11:10 am	03/11/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.454**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.520**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.370**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.469**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.127**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.264**		mg/kg dry	0.0475	0.0947	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:24	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*65.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*60.0 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP03_6.5 **York Sample ID:** 22C0748-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0748	170610601	Soil	March 11, 2022 11:45 am	03/11/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**4.80**		mg/kg dry	0.241	0.482	10	EPA 8270D	03/14/2022 08:14	03/15/2022 14:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**3.36**		mg/kg dry	0.241	0.482	10	EPA 8270D	03/14/2022 08:14	03/15/2022 14:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.37**		mg/kg dry	0.0483	0.0963	2	EPA 8270D	03/14/2022 08:14	03/14/2022 16:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*64.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*57.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.0 %*	*24-116*

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**139**		mg/kg dry	0.581	1	EPA 6010D	03/14/2022 22:00	03/15/2022 13:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.545**		mg/kg dry	0.0349	1	EPA 7473	03/15/2022 10:29	03/15/2022 15:50	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.0**		%	0.100	1	SM 2540G	03/15/2022 11:49	03/15/2022 14:33	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BC22103 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-04	EP12_6.5	03/14/22
22C0748-05	EP11_6.5	03/14/22
22C0748-06	EP03_6.5	03/14/22
22C0748-06RE1	EP03_6.5	03/14/22
BC22103-BLK1	Blank	03/14/22
BC22103-BS1	LCS	03/14/22
BC22103-MS1	Matrix Spike	03/14/22
BC22103-MSD1	Matrix Spike Dup	03/14/22

Batch ID: BC22184 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-03	EP15_6.5	03/14/22
22C0748-06	EP03_6.5	03/14/22
BC22184-BLK1	Blank	03/14/22
BC22184-DUP1	Duplicate	03/14/22
BC22184-MS1	Matrix Spike	03/14/22
BC22184-PS1	Post Spike	03/14/22
BC22184-SRM1	Reference	03/14/22

Batch ID: BC22211 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-01	EP04_6.5	03/15/22
22C0748-06	EP03_6.5	03/15/22
BC22211-BLK1	Blank	03/15/22
BC22211-DUP1	Duplicate	03/15/22
BC22211-MS1	Matrix Spike	03/15/22
BC22211-SRM1	Reference	03/15/22

Batch ID: BC22221 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-01	EP04_6.5	03/15/22
22C0748-02	EP13_6.5	03/15/22
22C0748-03	EP15_6.5	03/15/22
22C0748-04	EP12_6.5	03/15/22
22C0748-05	EP11_6.5	03/15/22
22C0748-06	EP03_6.5	03/15/22
BC22221-DUP1	Duplicate	03/15/22

Batch ID: BC22263 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-02	EP13_6.5	03/15/22
BC22263-BLK1	Blank	03/15/22
BC22263-DUP1	Duplicate	03/15/22
BC22263-MS1	Matrix Spike	03/15/22
BC22263-PS1	Post Spike	03/15/22
BC22263-SRM1	Reference	03/15/22

Batch ID: BC22328 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0748-02	EP13_6.5	03/16/22
BC22328-BLK1	Blank	03/16/22
BC22328-BS1	LCS	03/16/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22103 - EPA 3546 SVOA											
Blank (BC22103-BLK1) Blank									Prepared & Analyzed: 03/14/2022		
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*1.00*		*"*	*0.831*		*121*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.792*		*"*	*0.831*		*95.3*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.838*		*"*	*0.831*		*101*	*24-116*				
LCS (BC22103-BS1) LCS									Prepared & Analyzed: 03/14/2022		
Benzo(a)anthracene	0.426	0.0416	mg/kg wet	0.831		51.3	32-122				
Benzo(a)pyrene	0.399	0.0416	"	0.831		48.0	29-133				
Benzo(b)fluoranthene	0.410	0.0416	"	0.831		49.4	25-133				
Chrysene	0.394	0.0416	"	0.831		47.5	32-123				
Dibenzo(a,h)anthracene	0.385	0.0416	"	0.831		46.4	10-136				
Indeno(1,2,3-cd)pyrene	0.366	0.0416	"	0.831		44.1	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.972*		*"*	*0.831*		*117*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.751*		*"*	*0.831*		*90.5*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.805*		*"*	*0.831*		*96.9*	*24-116*				
Matrix Spike (BC22103-MS1) Matrix Spike *Source sample: 22C0506-01 (Matrix Spike)									Prepared: 03/14/2022 Analyzed: 03/15/2022		
Benzo(a)anthracene	0.581	0.102	mg/kg dry	1.02	ND	56.8	10-158				
Benzo(a)pyrene	0.553	0.102	"	1.02	ND	54.0	10-180				
Benzo(b)fluoranthene	0.562	0.102	"	1.02	ND	55.0	10-200				
Chrysene	0.533	0.102	"	1.02	ND	52.1	10-156				
Dibenzo(a,h)anthracene	0.517	0.102	"	1.02	ND	50.5	10-137				
Indeno(1,2,3-cd)pyrene	0.492	0.102	"	1.02	ND	48.1	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.720*		*"*	*1.02*		*70.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.571*		*"*	*1.02*		*55.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.562*		*"*	*1.02*		*54.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22103 - EPA 3546 SVOA											
Matrix Spike Dup (BC22103-M Matrix Spike Dup	*Source sample: 22C0506-01 (Matrix Spike Dup)									Prepared: 03/14/2022 Analyzed: 03/15/2022	
Benzo(a)anthracene	0.706	0.102	mg/kg dry	1.02	ND	69.0	10-158		19.3	30	
Benzo(a)pyrene	0.662	0.102	"	1.02	ND	64.7	10-180		18.1	30	
Benzo(b)fluoranthene	0.687	0.102	"	1.02	ND	67.1	10-200		19.9	30	
Chrysene	0.649	0.102	"	1.02	ND	63.4	10-156		19.7	30	
Dibenzo(a,h)anthracene	0.632	0.102	"	1.02	ND	61.8	10-137		20.1	30	
Indeno(1,2,3-cd)pyrene	0.605	0.102	"	1.02	ND	59.1	10-144		20.6	30	
Surrogate: SURR: Nitrobenzene-d5	*0.854*		*"*	*1.02*		*83.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.667*		*"*	*1.02*		*65.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.653*		*"*	*1.02*		*63.8*	*24-116*				
Batch BC22328 - EPA 3546 SVOA											
Blank (BC22328-BLK1) Blank										Prepared: 03/16/2022 Analyzed: 03/17/2022	
Benzo(a)anthracene	ND	0.0417	mg/kg wet								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Surrogate: SURR: Nitrobenzene-d5	*0.705*		*"*	*0.833*		*84.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.743*		*"*	*0.833*		*89.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.834*		*"*	*0.833*		*100*	*24-116*				
LCS (BC22328-BS1) LCS										Prepared: 03/16/2022 Analyzed: 03/17/2022	
Benzo(a)anthracene	0.779	0.0417	mg/kg wet	0.833		93.5	32-122				
Benzo(a)pyrene	0.755	0.0417	"	0.833		90.6	29-133				
Benzo(b)fluoranthene	0.810	0.0417	"	0.833		97.2	25-133				
Chrysene	0.780	0.0417	"	0.833		93.6	32-123				
Dibenzo(a,h)anthracene	0.863	0.0417	"	0.833		104	10-136				
Indeno(1,2,3-cd)pyrene	0.861	0.0417	"	0.833		103	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.730*		*"*	*0.833*		*87.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.703*		*"*	*0.833*		*84.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.803*		*"*	*0.833*		*96.3*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22184 - EPA 3050B											
Blank (BC22184-BLK1) Blank									Prepared: 03/14/2022 Analyzed: 03/15/2022		
Lead	ND	0.500	mg/kg wet								
Nickel	ND	1.00	"								
Duplicate (BC22184-DUP1) Duplicate	*Source sample: 22C0748-06 (EP03_6.5)								Prepared: 03/14/2022 Analyzed: 03/15/2022		
Lead	135	0.581	mg/kg dry		139				3.00	35	
Nickel	270	1.16	"		282				4.44	35	
Matrix Spike (BC22184-MS1) Matrix Spike	*Source sample: 22C0748-06 (EP03_6.5)								Prepared: 03/14/2022 Analyzed: 03/15/2022		
Lead	147	0.581	mg/kg dry	58.1	139	14.4	75-125	Low Bias			
Nickel	271	1.16	"	58.1	282	NR	75-125	Low Bias			
Post Spike (BC22184-PS1) Post Spike	*Source sample: 22C0748-06 (EP03_6.5)								Prepared: 03/14/2022 Analyzed: 03/15/2022		
Lead	1.73		ug/mL	0.500	1.19	108	75-125				
Nickel	2.91		mg/L	0.500	2.43	96.0	75-125				
Reference (BC22184-SRM1) Reference									Prepared: 03/14/2022 Analyzed: 03/15/2022		
Lead	99.9	0.500	mg/kg wet	101		98.9	69.1-126.7				
Nickel	62.5	1.00	"	52.2		120	63.4-117.8	High Bias			
Batch BC22263 - EPA 3050B											
Blank (BC22263-BLK1) Blank									Prepared: 03/15/2022 Analyzed: 03/16/2022		
Nickel	ND	1.00	mg/kg wet								
Duplicate (BC22263-DUP1) Duplicate	*Source sample: 22C0748-02 (EP13_6.5)								Prepared: 03/15/2022 Analyzed: 03/16/2022		
Nickel	427	1.22	mg/kg dry		416				2.66	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22263 - EPA 3050B											
Matrix Spike (BC22263-MS1) Matrix Spike	*Source sample: 22C0748-02 (EP13_6.5)								Prepared: 03/15/2022 Analyzed: 03/16/2022		
Nickel	519	1.22	mg/kg dry	61.0	416	169	75-125	High Bias			
Post Spike (BC22263-PS1) Post Spike	*Source sample: 22C0748-02 (EP13_6.5)								Prepared: 03/15/2022 Analyzed: 03/16/2022		
Nickel	4.01		mg/L	0.500	3.41	121	75-125				
Reference (BC22263-SRM1) Reference									Prepared: 03/15/2022 Analyzed: 03/16/2022		
Nickel	70.0	1.00	mg/kg wet	52.2		134	63.4-117.8	High Bias			

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22211 - EPA 7473 soil											
Blank (BC22211-BLK1) Blank								Prepared & Analyzed: 03/15/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC22211-DUP1) Duplicate	*Source sample: 22C0453-01 (Duplicate)							Prepared & Analyzed: 03/15/2022			
Mercury	1.32	0.0377	mg/kg dry		1.56				17.1	35	
Matrix Spike (BC22211-MS1) Matrix Spike	*Source sample: 22C0453-01 (Matrix Spike)							Prepared & Analyzed: 03/15/2022			
Mercury	2.05		mg/kg	0.500	1.24	161	75-125	High Bias			
Reference (BC22211-SRM1) Reference								Prepared & Analyzed: 03/15/2022			
Mercury	27.903		mg/kg	27.2		103	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22221 - % Solids Prep											
Duplicate (BC22221-DUP1) Duplicate	*Source sample: 22C0751-01 (Duplicate)							Prepared & Analyzed: 03/15/2022			
% Solids	78.5	0.100	%		71.6				9.31	20	

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to correct PAH reporting.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0748

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 213-479-5400	Phone:	Phone:
Contact: Kim Sloan	Contact:	Contact:
E-mail: ksloan@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	✓
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP04_6.5	S	3/11/22 1000	Mercury	
EP13_6.5	S	1005	Indeno (1,2,3-cd) pyrene, Nickel	
EP15 ~~EP6~~ 6.5	S	0951	Nickel	
EP12_6.5	S	1100	Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Chrysene, Benzo (g,h,i) perylene, Indeno (1,2,3-cd) pyrene	
EP11_6.5	S	1110		
EP03_6.5	S	1145	Benzo (a) pyrene, Benzo (b) fluoranthene, Indeno (1,2,3,-cd) pyrene, Lead, and Mercury.	

Comments: Please include lesmail@langan.com, nasonica@langan.com } for all correspondence.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply): HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company: Langan	Date/Time: 3/11/2022	1. Samples Received by / Company: Mark N York Labs	Date/Time: 3/11/22 1405	2. Samples Relinquished by / Company: Mark N York Labs	Date/Time: 3/11/22 1533
1. Samples Received by / Company: Ivan B	Date/Time: 3/11/22 1533	3. Samples Relinquished by / Company: Ivan B	Date/Time: 3/11/22 1936	3. Samples Received by / Company:	Date/Time:
2. Samples Relinquished by / Company:	Date/Time:	4. Samples Received by / Company:	Date/Time:	Samples Received in LAB by: TC Yale	Date/Time: 3/11/22 1936	Temperature: 1.6 Degrees C

Technical Report

prepared for:

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

Report Date: 03/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0889

Report Date: 03/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0889

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 16, 2022 and listed below. The project was identified as your project: **170610601**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0889-01	EP26_0.5	Soil	03/16/2022	03/16/2022
22C0889-02	FB01_PFAS_03162022	Water	03/16/2022	03/16/2022

General Notes for York Project (SDG) No.: 22C0889

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

Approved By **Date:** 03/21/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP26_0.5** **York Sample ID:** **22C0889-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0054**	J	mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.039**		mg/kg dry	0.0056	0.011	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.015**		mg/kg dry	0.0056	0.011	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	03/17/2022 06:43	03/17/2022 20:42	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/17/2022 07:39	03/17/2022 16:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*33.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*23.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*37.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*48.6 %*	*24-116*

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/18/2022 07:25	03/18/2022 17:58	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.269	1	EPA 537m Certifications:	03/17/2022 12:42	03/21/2022 17:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.2 %*	*25-150*
Surrogate: M5PFHxA	*90.0 %*	*25-150*
Surrogate: M4PFHpA	*73.3 %*	*25-150*
Surrogate: M3PFHxS	*86.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.1 %*	*25-150*
Surrogate: M6PFDA	*94.2 %*	*25-150*
Surrogate: M7PFUdA	*73.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*74.6 %*	*25-150*
Surrogate: M2PFTeDA	*48.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*79.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*75.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*100 %*	*25-200*
Surrogate: M2-8:2 FTS	*58.0 %*	*25-200*
Surrogate: M9PFNA	*91.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 13:18	03/18/2022 12:32	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 13:18	03/18/2022 12:32	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2022 13:18	03/18/2022 12:32	CM

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B	03/17/2022 13:18	03/18/2022 12:32	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.9 %*	*30-150*

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A	03/17/2022 13:18	03/18/2022 12:11	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0218	1	EPA 8151A	03/17/2022 07:38	03/17/2022 19:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0218	1	EPA 8151A	03/17/2022 07:38	03/17/2022 19:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0218	1	EPA 8151A	03/17/2022 07:38	03/17/2022 19:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*56.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5940**	B	mg/kg dry	5.57	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.67	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**35.0**		mg/kg dry	2.78	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.334	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1240**		mg/kg dry	5.57	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**46.2**	B	mg/kg dry	0.557	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.2**		mg/kg dry	0.446	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**27.6**		mg/kg dry	2.23	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14600**		mg/kg dry	27.8	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**6.91**		mg/kg dry	0.557	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7020**		mg/kg dry	5.57	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**187**		mg/kg dry	0.557	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**246**		mg/kg dry	1.11	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**824**		mg/kg dry	5.57	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.557	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**170**		mg/kg dry	55.7	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.5**		mg/kg dry	1.11	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**20.5**		mg/kg dry	2.78	1	EPA 6010D	03/17/2022 15:33	03/18/2022 18:06	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP26_0.5 **York Sample ID:** 22C0889-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Soil	March 16, 2022 8:50 am	03/16/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0369**		mg/kg dry	0.0334	1	EPA 7473	03/17/2022 11:22	03/17/2022 15:52	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.557	1	EPA 7196A	03/17/2022 10:31	03/17/2022 18:35	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**41.5**		mg/kg	0.500	1	Calculation	03/18/2022 12:50	03/18/2022 18:32	ZTS
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.557	1	EPA 9014/9010C	03/17/2022 08:33	03/17/2022 15:11	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		%	0.100	1	SM 2540G	03/18/2022 14:24	03/18/2022 18:31	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_03162022** **York Sample ID:** **22C0889-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Water	March 16, 2022 10:04 am	03/16/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 21:55	WL

Sample Information

Client Sample ID: FB01_PFAS_03162022 **York Sample ID:** 22C0889-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0889	170610601	Water	March 16, 2022 10:04 am	03/16/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m	03/18/2022 11:37	03/18/2022 21:55	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*99.4 %*	*25-150*
Surrogate: M5PFHxA	*96.1 %*	*25-150*
Surrogate: M4PFHpA	*92.1 %*	*25-150*
Surrogate: M3PFHxS	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.7 %*	*25-150*
Surrogate: M6PFDA	*103 %*	*25-150*
Surrogate: M7PFUdA	*101 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*107 %*	*25-150*
Surrogate: M2PFTeDA	*84.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*119 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*99.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*91.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*106 %*	*25-150*
Surrogate: M2-6:2 FTS	*126 %*	*25-200*
Surrogate: M2-8:2 FTS	*152 %*	*25-200*
Surrogate: M9PFNA	*98.6 %*	*25-150*

Analytical Batch Summary

Batch ID: BC22370 **Preparation Method:** EPA 3550C/8151A **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22370-BLK1	Blank	03/17/22
BC22370-BS1	LCS	03/17/22
BC22370-MS1	Matrix Spike	03/17/22
BC22370-MSD1	Matrix Spike Dup	03/17/22

Batch ID: BC22371 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22371-BLK1	Blank	03/17/22
BC22371-BS1	LCS	03/17/22
BC22371-MS1	Matrix Spike	03/17/22
BC22371-MSD1	Matrix Spike Dup	03/17/22

Batch ID: BC22378 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22378-BLK1	Blank	03/17/22
BC22378-DUP1	Duplicate	03/17/22
BC22378-MS1	Matrix Spike	03/17/22
BC22378-SRM1	Reference	03/17/22

Batch ID: BC22395 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22395-BLK1	Blank	03/17/22
BC22395-DUP1	Duplicate	03/17/22
BC22395-MS1	Matrix Spike	03/17/22
BC22395-SRM1	Reference	03/17/22

Batch ID: BC22399 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22399-BLK1	Blank	03/17/22
BC22399-DUP1	Duplicate	03/17/22
BC22399-MS1	Matrix Spike	03/17/22
BC22399-SRM1	Reference	03/17/22

Batch ID: BC22407 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22407-BLK1	Blank	03/17/22
BC22407-BS1	LCS	03/17/22
BC22407-MS1	Matrix Spike	03/17/22
BC22407-MSD1	Matrix Spike Dup	03/17/22

Batch ID: BC22410 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
22C0889-01	EP26_0.5	03/17/22
BC22410-BLK1	Blank	03/17/22
BC22410-BLK2	Blank	03/17/22
BC22410-BS1	LCS	03/17/22
BC22410-BS2	LCS	03/17/22
BC22410-MS2	Matrix Spike	03/17/22
BC22410-MSD2	Matrix Spike Dup	03/17/22

Batch ID: BC22427 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22427-BLK1	Blank	03/17/22
BC22427-BLK2	Blank	03/17/22
BC22427-BLK3	Blank	03/17/22
BC22427-BLK4	Blank	03/17/22
BC22427-BLK5	Blank	03/17/22
BC22427-BS1	LCS	03/17/22
BC22427-BSD1	LCS Dup	03/17/22

Batch ID: BC22431 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/17/22
BC22431-BLK1	Blank	03/17/22
BC22431-DUP1	Duplicate	03/17/22
BC22431-MS1	Matrix Spike	03/17/22
BC22431-PS1	Post Spike	03/17/22
BC22431-SRM1	Reference	03/17/22

Batch ID: BC22457 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/18/22
BC22457-BLK1	Blank	03/18/22
BC22457-BS1	LCS	03/18/22

BC22457-MS1	Matrix Spike	03/18/22
BC22457-MS2	Matrix Spike	03/18/22
BC22457-MSD1	Matrix Spike Dup	03/18/22
BC22457-MSD2	Matrix Spike Dup	03/18/22

Batch ID: BC22488 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-02	FB01_PFAS_03162022	03/18/22
BC22488-BLK1	Blank	03/18/22
BC22488-BS1	LCS	03/18/22
BC22488-MS1	Matrix Spike	03/18/22
BC22488-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22500 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/18/22

Batch ID: BC22511 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C0889-01	EP26_0.5	03/18/22
BC22511-DUP1	Duplicate	03/18/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK1) Blank									Prepared & Analyzed: 03/17/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK1) Blank									Prepared & Analyzed: 03/17/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.3*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.0*	*76-130*				
Blank (BC22427-BLK2) HB22C0677									Prepared & Analyzed: 03/17/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK2) HB22C0677								Prepared & Analyzed: 03/17/2022			
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.7*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.1*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK3) HB22C0707									Prepared & Analyzed: 03/17/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK3) HB22C0707								Prepared & Analyzed: 03/17/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.9*		*ug/L*	*50.0*		*99.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				
Blank (BC22427-BLK4) HB22C0889								Prepared & Analyzed: 03/17/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK4) HB22C0889									Prepared & Analyzed: 03/17/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.6*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22427 - EPA 5035A

Blank (BC22427-BLK5) HB22C0447 — Prepared & Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
Blank (BC22427-BLK5) HB22C0447								Prepared & Analyzed: 03/17/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*76-130*				
LCS (BC22427-BS1) LCS								Prepared & Analyzed: 03/17/2022			
1,1,1,2-Tetrachloroethane	44.5		ug/L	50.0		89.0	75-129				
1,1,1-Trichloroethane	42.8		"	50.0		85.7	71-137				
1,1,2,2-Tetrachloroethane	45.4		"	50.0		90.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.9		"	50.0		106	58-146				
1,1,2-Trichloroethane	43.7		"	50.0		87.5	83-123				
1,1-Dichloroethane	42.5		"	50.0		85.0	75-130				
1,1-Dichloroethylene	53.6		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	44.4		"	50.0		88.7	81-140				
1,2,3-Trichloropropane	45.2		"	50.0		90.3	81-126				
1,2,4-Trichlorobenzene	44.4		"	50.0		88.9	80-141				
1,2,4-Trimethylbenzene	43.2		"	50.0		86.4	84-125				
1,2-Dibromo-3-chloropropane	46.1		"	50.0		92.2	74-142				
1,2-Dibromoethane	45.7		"	50.0		91.5	86-123				
1,2-Dichlorobenzene	44.6		"	50.0		89.2	85-122				
1,2-Dichloroethane	46.2		"	50.0		92.3	71-133				
1,2-Dichloropropane	44.4		"	50.0		88.8	81-122				
1,3,5-Trimethylbenzene	42.9		"	50.0		85.9	82-126				
1,3-Dichlorobenzene	44.0		"	50.0		88.1	84-124				
1,4-Dichlorobenzene	44.3		"	50.0		88.7	84-124				
1,4-Dioxane	956		"	1050		91.1	10-228				
2-Butanone	42.4		"	50.0		84.9	58-147				
2-Hexanone	45.7		"	50.0		91.3	70-139				
4-Methyl-2-pentanone	45.5		"	50.0		91.0	72-132				
Acetone	37.0		"	50.0		73.9	36-155				
Acrolein	45.2		"	50.0		90.5	10-238				
Acrylonitrile	41.8		"	50.0		83.7	66-141				
Benzene	43.1		"	50.0		86.1	77-127				
Bromochloromethane	43.9		"	50.0		87.9	74-129				
Bromodichloromethane	45.6		"	50.0		91.2	81-124				
Bromoform	48.2		"	50.0		96.4	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
LCS (BC22427-BS1) LCS							Prepared & Analyzed: 03/17/2022				
Bromomethane	40.5		ug/L	50.0		81.1	32-177				
Carbon disulfide	40.8		"	50.0		81.7	10-136				
Carbon tetrachloride	43.7		"	50.0		87.4	66-143				
Chlorobenzene	46.1		"	50.0		92.2	86-120				
Chloroethane	43.5		"	50.0		86.9	51-142				
Chloroform	44.6		"	50.0		89.3	76-131				
Chloromethane	34.5		"	50.0		68.9	49-132				
cis-1,2-Dichloroethylene	43.2		"	50.0		86.4	74-132				
cis-1,3-Dichloropropylene	45.4		"	50.0		90.7	81-129				
Cyclohexane	39.2		"	50.0		78.5	70-130				
Dibromochloromethane	46.8		"	50.0		93.6	10-200				
Dibromomethane	43.6		"	50.0		87.2	83-124				
Dichlorodifluoromethane	21.6		"	50.0		43.1	28-158				
Ethyl Benzene	43.8		"	50.0		87.5	84-125				
Hexachlorobutadiene	42.6		"	50.0		85.1	83-133				
Isopropylbenzene	44.4		"	50.0		88.9	81-127				
Methyl acetate	39.1		"	50.0		78.2	41-143				
Methyl tert-butyl ether (MTBE)	45.2		"	50.0		90.4	74-131				
Methylcyclohexane	40.2		"	50.0		80.4	70-130				
Methylene chloride	43.3		"	50.0		86.5	57-141				
n-Butylbenzene	42.0		"	50.0		83.9	80-130				
n-Propylbenzene	43.0		"	50.0		86.1	74-136				
o-Xylene	45.5		"	50.0		91.0	83-123				
p- & m- Xylenes	88.6		"	100		88.6	82-128				
p-Isopropyltoluene	43.9		"	50.0		87.8	85-125				
sec-Butylbenzene	43.4		"	50.0		86.7	83-125				
Styrene	44.0		"	50.0		88.0	86-126				
tert-Butyl alcohol (TBA)	202		"	250		80.8	70-130				
tert-Butylbenzene	43.8		"	50.0		87.6	80-127				
Tetrachloroethylene	38.6		"	50.0		77.1	80-129	Low Bias			
Toluene	43.0		"	50.0		86.1	85-121				
trans-1,2-Dichloroethylene	41.9		"	50.0		83.7	72-132				
trans-1,3-Dichloropropylene	45.4		"	50.0		90.9	78-132				
Trichloroethylene	41.9		"	50.0		83.8	84-123	Low Bias			
Trichlorofluoromethane	42.3		"	50.0		84.5	62-140				
Vinyl Chloride	37.1		"	50.0		74.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.1*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
LCS Dup (BC22427-BSD1) LCS Dup							Prepared & Analyzed: 03/17/2022				
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.8	75-129		9.36	30	
1,1,1-Trichloroethane	46.6		"	50.0		93.3	71-137		8.52	30	
1,1,2,2-Tetrachloroethane	48.8		"	50.0		97.7	79-129		7.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.7		"	50.0		99.4	58-146		6.27	30	
1,1,2-Trichloroethane	48.4		"	50.0		96.8	83-123		10.1	30	
1,1-Dichloroethane	43.7		"	50.0		87.4	75-130		2.85	30	
1,1-Dichloroethylene	53.4		"	50.0		107	64-137		0.299	30	
1,2,3-Trichlorobenzene	48.5		"	50.0		97.0	81-140		8.91	30	
1,2,3-Trichloropropane	48.0		"	50.0		95.9	81-126		6.01	30	
1,2,4-Trichlorobenzene	47.3		"	50.0		94.5	80-141		6.17	30	
1,2,4-Trimethylbenzene	44.8		"	50.0		89.7	84-125		3.72	30	
1,2-Dibromo-3-chloropropane	49.2		"	50.0		98.3	74-142		6.43	30	
1,2-Dibromoethane	49.9		"	50.0		99.8	86-123		8.68	30	
1,2-Dichlorobenzene	46.6		"	50.0		93.1	85-122		4.32	30	
1,2-Dichloroethane	50.2		"	50.0		100	71-133		8.32	30	
1,2-Dichloropropane	48.0		"	50.0		95.9	81-122		7.69	30	
1,3,5-Trimethylbenzene	44.7		"	50.0		89.4	82-126		4.06	30	
1,3-Dichlorobenzene	46.0		"	50.0		91.9	84-124		4.29	30	
1,4-Dichlorobenzene	46.1		"	50.0		92.2	84-124		3.89	30	
1,4-Dioxane	1050		"	1050		100	10-228		9.46	30	
2-Butanone	43.9		"	50.0		87.7	58-147		3.31	30	
2-Hexanone	48.7		"	50.0		97.4	70-139		6.42	30	
4-Methyl-2-pentanone	50.0		"	50.0		100	72-132		9.52	30	
Acetone	37.4		"	50.0		74.7	36-155		1.08	30	
Acrolein	40.2		"	50.0		80.3	10-238		11.9	30	
Acrylonitrile	43.5		"	50.0		86.9	66-141		3.82	30	
Benzene	44.2		"	50.0		88.4	77-127		2.61	30	
Bromochloromethane	46.0		"	50.0		92.0	74-129		4.63	30	
Bromodichloromethane	50.9		"	50.0		102	81-124		11.1	30	
Bromoform	54.0		"	50.0		108	80-136		11.3	30	
Bromomethane	43.0		"	50.0		86.0	32-177		5.96	30	
Carbon disulfide	41.0		"	50.0		82.1	10-136		0.489	30	
Carbon tetrachloride	47.3		"	50.0		94.6	66-143		7.98	30	
Chlorobenzene	48.1		"	50.0		96.2	86-120		4.27	30	
Chloroethane	43.5		"	50.0		87.0	51-142		0.0920	30	
Chloroform	46.9		"	50.0		93.8	76-131		4.92	30	
Chloromethane	32.4		"	50.0		64.8	49-132		6.19	30	
cis-1,2-Dichloroethylene	45.2		"	50.0		90.3	74-132		4.44	30	
cis-1,3-Dichloropropylene	50.2		"	50.0		100	81-129		10.3	30	
Cyclohexane	39.4		"	50.0		78.9	70-130		0.509	30	
Dibromochloromethane	51.5		"	50.0		103	10-200		9.64	30	
Dibromomethane	48.2		"	50.0		96.4	83-124		10.0	30	
Dichlorodifluoromethane	21.5		"	50.0		43.1	28-158		0.139	30	
Ethyl Benzene	45.5		"	50.0		91.1	84-125		3.94	30	
Hexachlorobutadiene	45.5		"	50.0		91.0	83-133		6.68	30	
Isopropylbenzene	46.1		"	50.0		92.2	81-127		3.60	30	
Methyl acetate	40.5		"	50.0		81.1	41-143		3.64	30	
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		100	74-131		10.1	30	
Methylcyclohexane	42.9		"	50.0		85.8	70-130		6.45	30	
Methylene chloride	43.3		"	50.0		86.6	57-141		0.0693	30	
n-Butylbenzene	44.3		"	50.0		88.7	80-130		5.52	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22427 - EPA 5035A											
LCS Dup (BC22427-BSD1) LCS Dup								Prepared & Analyzed: 03/17/2022			
n-Propylbenzene	44.4		ug/L	50.0		88.8	74-136		3.13	30	
o-Xylene	47.4		"	50.0		94.9	83-123		4.15	30	
p- & m- Xylenes	92.0		"	100		92.0	82-128		3.82	30	
p-Isopropyltoluene	45.3		"	50.0		90.6	85-125		3.09	30	
sec-Butylbenzene	44.4		"	50.0		88.7	83-125		2.28	30	
Styrene	46.0		"	50.0		91.9	86-126		4.38	30	
tert-Butyl alcohol (TBA)	220		"	250		88.1	70-130		8.68	30	
tert-Butylbenzene	45.1		"	50.0		90.2	80-127		2.95	30	
Tetrachloroethylene	40.2		"	50.0		80.4	80-129		4.16	30	
Toluene	44.6		"	50.0		89.3	85-121		3.70	30	
trans-1,2-Dichloroethylene	43.2		"	50.0		86.4	72-132		3.15	30	
trans-1,3-Dichloropropylene	50.2		"	50.0		100	78-132		9.97	30	
Trichloroethylene	46.2		"	50.0		92.4	84-123		9.76	30	
Trichlorofluoromethane	42.5		"	50.0		85.0	62-140		0.496	30	
Vinyl Chloride	36.3		"	50.0		72.6	52-130		2.10	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22371 - EPA 3546 SVOA

Blank (BC22371-BLK1) Blank — Prepared & Analyzed: 03/17/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
Blank (BC22371-BLK1) Blank									Prepared & Analyzed: 03/17/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.947*		"	*1.66*		*57.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.926*		"	*1.66*		*55.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.455*		"	*0.831*		*54.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.497*		"	*0.831*		*59.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.18*		"	*1.66*		*70.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.548*		"	*0.831*		*66.0*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
LCS (BC22371-BS1) LCS							Prepared & Analyzed: 03/17/2022				
1,1-Biphenyl	0.449	0.0416	mg/kg wet	0.831		54.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.453	0.0830	"	0.831		54.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.344	0.0416	"	0.831		41.4	17-137				
2,3,4,6-Tetrachlorophenol	0.439	0.0830	"	0.831		52.8	30-130				
2,4,5-Trichlorophenol	0.471	0.0416	"	0.831		56.7	27-118				
2,4,6-Trichlorophenol	0.470	0.0416	"	0.831		56.6	31-120				
2,4-Dichlorophenol	0.484	0.0416	"	0.831		58.3	20-127				
2,4-Dimethylphenol	0.427	0.0416	"	0.831		51.4	14-132				
2,4-Dinitrophenol	0.321	0.0830	"	0.831		38.6	10-171				
2,4-Dinitrotoluene	0.520	0.0416	"	0.831		62.6	34-131				
2,6-Dinitrotoluene	0.516	0.0416	"	0.831		62.1	31-128				
2-Chloronaphthalene	0.450	0.0416	"	0.831		54.1	31-117				
2-Chlorophenol	0.427	0.0416	"	0.831		51.4	33-113				
2-Methylnaphthalene	0.454	0.0416	"	0.831		54.7	12-138				
2-Methylphenol	0.429	0.0416	"	0.831		51.6	10-136				
2-Nitroaniline	0.481	0.0830	"	0.831		58.0	27-132				
2-Nitrophenol	0.495	0.0416	"	0.831		59.6	17-129				
3- & 4-Methylphenols	0.385	0.0416	"	0.831		46.3	29-103				
3,3-Dichlorobenzidine	0.318	0.0416	"	0.831		38.3	22-149				
3-Nitroaniline	0.379	0.0830	"	0.831		45.7	20-133				
4,6-Dinitro-2-methylphenol	0.432	0.0830	"	0.831		52.0	10-143				
4-Bromophenyl phenyl ether	0.460	0.0416	"	0.831		55.4	29-120				
4-Chloro-3-methylphenol	0.449	0.0416	"	0.831		54.0	24-129				
4-Chloroaniline	0.265	0.0416	"	0.831		31.9	10-132				
4-Chlorophenyl phenyl ether	0.457	0.0416	"	0.831		55.1	27-124				
4-Nitroaniline	0.421	0.0830	"	0.831		50.6	16-128				
4-Nitrophenol	0.431	0.0830	"	0.831		51.8	10-141				
Acenaphthene	0.448	0.0416	"	0.831		54.0	30-121				
Acenaphthylene	0.434	0.0416	"	0.831		52.3	30-115				
Acetophenone	0.410	0.0416	"	0.831		49.4	20-112				
Aniline	0.391	0.166	"	0.831		47.0	10-119				
Anthracene	0.451	0.0416	"	0.831		54.4	34-118				
Atrazine	0.468	0.0416	"	0.831		56.4	26-112				
Benzaldehyde	0.408	0.0416	"	0.831		49.1	21-100				
Benzo(a)anthracene	0.451	0.0416	"	0.831		54.3	32-122				
Benzo(a)pyrene	0.461	0.0416	"	0.831		55.5	29-133				
Benzo(b)fluoranthene	0.488	0.0416	"	0.831		58.7	25-133				
Benzo(g,h,i)perylene	0.603	0.0416	"	0.831		72.6	10-143				
Benzo(k)fluoranthene	0.460	0.0416	"	0.831		55.4	25-128				
Benzoic acid	0.152	0.0416	"	0.831		18.3	10-140				
Benzyl alcohol	0.409	0.0416	"	0.831		49.2	30-115				
Benzyl butyl phthalate	0.421	0.0416	"	0.831		50.7	26-126				
Bis(2-chloroethoxy)methane	0.392	0.0416	"	0.831		47.2	19-132				
Bis(2-chloroethyl)ether	0.377	0.0416	"	0.831		45.4	19-125				
Bis(2-chloroisopropyl)ether	0.362	0.0416	"	0.831		43.6	20-135				
Bis(2-ethylhexyl)phthalate	0.460	0.0416	"	0.831		55.4	10-155				
Caprolactam	0.450	0.0830	"	0.831		54.2	10-127				
Carbazole	0.421	0.0416	"	0.831		50.7	35-123				
Chrysene	0.430	0.0416	"	0.831		51.8	32-123				
Dibenzo(a,h)anthracene	0.512	0.0416	"	0.831		61.6	10-136				
Dibenzofuran	0.461	0.0416	"	0.831		55.6	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
LCS (BC22371-BS1) LCS							Prepared & Analyzed: 03/17/2022				
Diethyl phthalate	0.434	0.0416	mg/kg wet	0.831		52.2	34-116				
Dimethyl phthalate	0.440	0.0416	"	0.831		53.0	35-124				
Di-n-butyl phthalate	0.426	0.0416	"	0.831		51.3	31-116				
Di-n-octyl phthalate	0.506	0.0416	"	0.831		60.9	26-136				
Diphenylamine	0.493	0.0830	"	0.831		59.4	40-140				
Fluoranthene	0.442	0.0416	"	0.831		53.2	33-122				
Fluorene	0.452	0.0416	"	0.831		54.4	29-123				
Hexachlorobenzene	0.389	0.0416	"	0.831		46.8	21-124				
Hexachlorobutadiene	0.464	0.0416	"	0.831		55.8	10-149				
Hexachlorocyclopentadiene	0.490	0.0416	"	0.831		59.0	10-129				
Hexachloroethane	0.396	0.0416	"	0.831		47.6	28-108				
Indeno(1,2,3-cd)pyrene	0.517	0.0416	"	0.831		62.2	10-135				
Isophorone	0.415	0.0416	"	0.831		50.0	20-132				
Naphthalene	0.462	0.0416	"	0.831		55.6	23-124				
Nitrobenzene	0.391	0.0416	"	0.831		47.1	13-132				
N-Nitrosodimethylamine	0.528	0.0416	"	0.831		63.6	11-129				
N-nitroso-di-n-propylamine	0.373	0.0416	"	0.831		45.0	24-119				
N-Nitrosodiphenylamine	0.490	0.0416	"	0.831		59.0	22-152				
Pentachlorophenol	0.400	0.0416	"	0.831		48.1	10-139				
Phenanthrene	0.426	0.0416	"	0.831		51.3	33-123				
Phenol	0.400	0.0416	"	0.831		48.2	23-115				
Pyrene	0.419	0.0416	"	0.831		50.4	24-130				
Pyridine	0.442	0.166	"	0.831		53.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.805*		"	*1.66*		*48.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.791*		"	*1.66*		*47.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.401*		"	*0.831*		*48.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.437*		"	*0.831*		*52.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.09*		"	*1.66*		*65.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.457*		"	*0.831*		*55.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22371 - EPA 3546 SVOA

Matrix Spike (BC22371-MS1) Matrix Spike *Source sample: 22C0739-03 (Matrix Spike) Prepared & Analyzed: 03/17/2022

1,1-Biphenyl	0.384	0.0860	mg/kg dry	0.860	ND	44.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.381	0.172	"	0.860	ND	44.3	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.294	0.0860	"	0.860	ND	34.2	10-144				
2,3,4,6-Tetrachlorophenol	0.369	0.172	"	0.860	ND	42.9	30-130				
2,4,5-Trichlorophenol	0.388	0.0860	"	0.860	ND	45.1	10-127				
2,4,6-Trichlorophenol	0.382	0.0860	"	0.860	ND	44.4	10-132				
2,4-Dichlorophenol	0.392	0.0860	"	0.860	ND	45.6	10-128				
2,4-Dimethylphenol	0.241	0.0860	"	0.860	ND	28.0	10-137				
2,4-Dinitrophenol	0.511	0.172	"	0.860	ND	59.4	10-171				
2,4-Dinitrotoluene	0.430	0.0860	"	0.860	ND	50.0	16-135				
2,6-Dinitrotoluene	0.416	0.0860	"	0.860	ND	48.4	18-131				
2-Chloronaphthalene	0.377	0.0860	"	0.860	ND	43.9	10-129				
2-Chlorophenol	0.352	0.0860	"	0.860	ND	41.0	15-116				
2-Methylnaphthalene	0.382	0.0860	"	0.860	ND	44.4	10-147				
2-Methylphenol	0.329	0.0860	"	0.860	ND	38.3	10-136				
2-Nitroaniline	0.397	0.172	"	0.860	ND	46.2	10-137				
2-Nitrophenol	0.409	0.0860	"	0.860	ND	47.6	10-129				
3- & 4-Methylphenols	0.299	0.0860	"	0.860	ND	34.8	10-123				
3,3-Dichlorobenzidine	0.157	0.0860	"	0.860	ND	18.2	10-155				
3-Nitroaniline	0.331	0.172	"	0.860	ND	38.6	12-133				
4,6-Dinitro-2-methylphenol	0.431	0.172	"	0.860	ND	50.2	10-155				
4-Bromophenyl phenyl ether	0.377	0.0860	"	0.860	ND	43.9	14-128				
4-Chloro-3-methylphenol	0.358	0.0860	"	0.860	ND	41.7	10-134				
4-Chloroaniline	0.261	0.0860	"	0.860	ND	30.3	10-145				
4-Chlorophenyl phenyl ether	0.382	0.0860	"	0.860	ND	44.5	14-130				
4-Nitroaniline	0.340	0.172	"	0.860	ND	39.6	10-147				
4-Nitrophenol	0.358	0.172	"	0.860	ND	41.7	10-137				
Acenaphthene	0.377	0.0860	"	0.860	ND	43.9	10-146				
Acenaphthylene	0.366	0.0860	"	0.860	ND	42.6	10-134				
Acetophenone	0.361	0.0860	"	0.860	ND	42.0	10-116				
Aniline	0.320	0.344	"	0.860	ND	37.2	10-123				
Anthracene	0.384	0.0860	"	0.860	ND	44.6	10-142				
Atrazine	0.398	0.0860	"	0.860	ND	46.3	19-115				
Benzaldehyde	0.336	0.0860	"	0.860	ND	39.1	10-125				
Benzo(a)anthracene	0.377	0.0860	"	0.860	ND	43.9	10-158				
Benzo(a)pyrene	0.379	0.0860	"	0.860	ND	44.1	10-180				
Benzo(b)fluoranthene	0.413	0.0860	"	0.860	ND	48.0	10-200				
Benzo(g,h,i)perylene	0.501	0.0860	"	0.860	ND	58.2	10-138				
Benzo(k)fluoranthene	0.379	0.0860	"	0.860	ND	44.1	10-197				
Benzoic acid	0.252	0.0860	"	0.860	ND	29.4	10-166				
Benzyl alcohol	0.347	0.0860	"	0.860	ND	40.4	12-124				
Benzyl butyl phthalate	0.349	0.0860	"	0.860	ND	40.6	10-154				
Bis(2-chloroethoxy)methane	0.339	0.0860	"	0.860	ND	39.4	10-132				
Bis(2-chloroethyl)ether	0.322	0.0860	"	0.860	ND	37.5	10-119				
Bis(2-chloroisopropyl)ether	0.309	0.0860	"	0.860	ND	35.9	10-139				
Bis(2-ethylhexyl)phthalate	0.380	0.0860	"	0.860	ND	44.2	10-167				
Caprolactam	0.394	0.172	"	0.860	ND	45.8	10-132				
Carbazole	0.351	0.0860	"	0.860	ND	40.9	10-167				
Chrysene	0.356	0.0860	"	0.860	ND	41.4	10-156				
Dibenzo(a,h)anthracene	0.411	0.0860	"	0.860	ND	47.8	10-137				
Dibenzofuran	0.395	0.0860	"	0.860	ND	45.9	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
Matrix Spike (BC22371-MS1) Matrix Spike	*Source sample: 22C0739-03 (Matrix Spike)							Prepared & Analyzed: 03/17/2022			
Diethyl phthalate	0.369	0.0860	mg/kg dry	0.860	ND	43.0	20-120				
Dimethyl phthalate	0.373	0.0860	"	0.860	ND	43.4	18-131				
Di-n-butyl phthalate	0.362	0.0860	"	0.860	ND	42.1	10-137				
Di-n-octyl phthalate	0.407	0.0860	"	0.860	ND	47.4	10-180				
Diphenylamine	0.394	0.172	"	0.860	ND	45.8	40-140				
Fluoranthene	0.374	0.0860	"	0.860	ND	43.5	10-160				
Fluorene	0.384	0.0860	"	0.860	ND	44.7	10-157				
Hexachlorobenzene	0.322	0.0860	"	0.860	ND	37.5	10-137				
Hexachlorobutadiene	0.388	0.0860	"	0.860	ND	45.2	10-132				
Hexachlorocyclopentadiene	0.369	0.0860	"	0.860	ND	43.0	10-106				
Hexachloroethane	0.347	0.0860	"	0.860	ND	40.4	10-110				
Indeno(1,2,3-cd)pyrene	0.404	0.0860	"	0.860	ND	47.0	10-144				
Isophorone	0.355	0.0860	"	0.860	ND	41.3	10-132				
Naphthalene	0.388	0.0860	"	0.860	ND	45.2	10-141				
Nitrobenzene	0.325	0.0860	"	0.860	ND	37.8	10-131				
N-Nitrosodimethylamine	0.461	0.0860	"	0.860	ND	53.6	10-126				
N-nitroso-di-n-propylamine	0.328	0.0860	"	0.860	ND	38.2	10-125				
N-Nitrosodiphenylamine	0.377	0.0860	"	0.860	ND	43.9	10-177				
Pentachlorophenol	0.336	0.0860	"	0.860	ND	39.0	10-153				
Phenanthrene	0.358	0.0860	"	0.860	ND	41.6	10-148				
Phenol	0.336	0.0860	"	0.860	ND	39.1	10-126				
Pyrene	0.349	0.0860	"	0.860	ND	40.6	10-165				
Pyridine	0.375	0.344	"	0.860	ND	43.7	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.675*		*"*	*1.72*		*39.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.682*		*"*	*1.72*		*39.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.340*		*"*	*0.860*		*39.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.375*		*"*	*0.860*		*43.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.838*		*"*	*1.72*		*48.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.387*		*"*	*0.860*		*45.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
Matrix Spike Dup (BC22371-M Matrix Spike Dup	*Source sample: 22C0739-03 (Matrix Spike Dup)							Prepared & Analyzed: 03/17/2022			
1,1-Biphenyl	0.433	0.0860	mg/kg dry	0.860	ND	50.4	10-130		12.1	30	
1,2,4,5-Tetrachlorobenzene	0.411	0.172	"	0.860	ND	47.8	10-133		7.47	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.335	0.0860	"	0.860	ND	39.0	10-144		13.1	30	
2,3,4,6-Tetrachlorophenol	0.417	0.172	"	0.860	ND	48.6	30-130		12.4	30	
2,4,5-Trichlorophenol	0.439	0.0860	"	0.860	ND	51.1	10-127		12.5	30	
2,4,6-Trichlorophenol	0.415	0.0860	"	0.860	ND	48.2	10-132		8.29	30	
2,4-Dichlorophenol	0.425	0.0860	"	0.860	ND	49.4	10-128		8.08	30	
2,4-Dimethylphenol	0.280	0.0860	"	0.860	ND	32.6	10-137		15.1	30	
2,4-Dinitrophenol	0.601	0.172	"	0.860	ND	69.9	10-171		16.2	30	
2,4-Dinitrotoluene	0.483	0.0860	"	0.860	ND	56.2	16-135		11.6	30	
2,6-Dinitrotoluene	0.466	0.0860	"	0.860	ND	54.2	18-131		11.2	30	
2-Chloronaphthalene	0.412	0.0860	"	0.860	ND	47.9	10-129		8.71	30	
2-Chlorophenol	0.391	0.0860	"	0.860	ND	45.5	15-116		10.5	30	
2-Methylnaphthalene	0.419	0.0860	"	0.860	ND	48.7	10-147		9.28	30	
2-Methylphenol	0.374	0.0860	"	0.860	ND	43.5	10-136		12.7	30	
2-Nitroaniline	0.439	0.172	"	0.860	ND	51.0	10-137		10.0	30	
2-Nitrophenol	0.457	0.0860	"	0.860	ND	53.2	10-129		11.1	30	
3- & 4-Methylphenols	0.332	0.0860	"	0.860	ND	38.6	10-123		10.5	30	
3,3-Dichlorobenzidine	0.204	0.0860	"	0.860	ND	23.7	10-155		26.0	30	
3-Nitroaniline	0.367	0.172	"	0.860	ND	42.7	12-133		10.2	30	
4,6-Dinitro-2-methylphenol	0.526	0.172	"	0.860	ND	61.2	10-155		19.8	30	
4-Bromophenyl phenyl ether	0.441	0.0860	"	0.860	ND	51.3	14-128		15.5	30	
4-Chloro-3-methylphenol	0.407	0.0860	"	0.860	ND	47.4	10-134		12.8	30	
4-Chloroaniline	0.294	0.0860	"	0.860	ND	34.2	10-145		12.1	30	
4-Chlorophenyl phenyl ether	0.423	0.0860	"	0.860	ND	49.2	14-130		10.1	30	
4-Nitroaniline	0.385	0.172	"	0.860	ND	44.8	10-147		12.3	30	
4-Nitrophenol	0.398	0.172	"	0.860	ND	46.3	10-137		10.5	30	
Acenaphthene	0.411	0.0860	"	0.860	ND	47.8	10-146		8.54	30	
Acenaphthylene	0.400	0.0860	"	0.860	ND	46.5	10-134		8.62	30	
Acetophenone	0.406	0.0860	"	0.860	ND	47.3	10-116		11.8	30	
Aniline	0.355	0.344	"	0.860	ND	41.4	10-123		10.6	30	
Anthracene	0.435	0.0860	"	0.860	ND	50.6	10-142		12.6	30	
Atrazine	0.477	0.0860	"	0.860	ND	55.5	19-115		18.1	30	
Benzaldehyde	0.362	0.0860	"	0.860	ND	42.1	10-125		7.29	30	
Benzo(a)anthracene	0.445	0.0860	"	0.860	ND	51.8	10-158		16.4	30	
Benzo(a)pyrene	0.448	0.0860	"	0.860	ND	52.2	10-180		16.8	30	
Benzo(b)fluoranthene	0.485	0.0860	"	0.860	ND	56.4	10-200		16.1	30	
Benzo(g,h,i)perylene	0.591	0.0860	"	0.860	ND	68.8	10-138		16.6	30	
Benzo(k)fluoranthene	0.446	0.0860	"	0.860	ND	51.9	10-197		16.3	30	
Benzoic acid	0.229	0.0860	"	0.860	ND	26.6	10-166		9.71	30	
Benzyl alcohol	0.385	0.0860	"	0.860	ND	44.8	12-124		10.3	30	
Benzyl butyl phthalate	0.416	0.0860	"	0.860	ND	48.4	10-154		17.6	30	
Bis(2-chloroethoxy)methane	0.363	0.0860	"	0.860	ND	42.2	10-132		6.86	30	
Bis(2-chloroethyl)ether	0.360	0.0860	"	0.860	ND	41.9	10-119		11.1	30	
Bis(2-chloroisopropyl)ether	0.346	0.0860	"	0.860	ND	40.2	10-139		11.3	30	
Bis(2-ethylhexyl)phthalate	0.445	0.0860	"	0.860	ND	51.8	10-167		15.7	30	
Caprolactam	0.465	0.172	"	0.860	ND	54.1	10-132		16.5	30	
Carbazole	0.408	0.0860	"	0.860	ND	47.4	10-167		14.9	30	
Chrysene	0.417	0.0860	"	0.860	ND	48.5	10-156		15.7	30	
Dibenzo(a,h)anthracene	0.472	0.0860	"	0.860	ND	54.9	10-137		13.9	30	
Dibenzofuran	0.428	0.0860	"	0.860	ND	49.8	10-147		8.19	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22371 - EPA 3546 SVOA											
Matrix Spike Dup (BC22371-M Matrix Spike Dup	*Source sample: 22C0739-03 (Matrix Spike Dup)							Prepared & Analyzed: 03/17/2022			
Diethyl phthalate	0.422	0.0860	mg/kg dry	0.860	ND	49.0	20-120		13.2	30	
Dimethyl phthalate	0.420	0.0860	"	0.860	ND	48.9	18-131		11.8	30	
Di-n-butyl phthalate	0.428	0.0860	"	0.860	ND	49.8	10-137		16.9	30	
Di-n-octyl phthalate	0.480	0.0860	"	0.860	ND	55.8	10-180		16.4	30	
Diphenylamine	0.452	0.172	"	0.860	ND	52.6	40-140		13.8	30	
Fluoranthene	0.435	0.0860	"	0.860	ND	50.6	10-160		15.1	30	
Fluorene	0.426	0.0860	"	0.860	ND	49.6	10-157		10.3	30	
Hexachlorobenzene	0.386	0.0860	"	0.860	ND	44.9	10-137		17.9	30	
Hexachlorobutadiene	0.431	0.0860	"	0.860	ND	50.2	10-132		10.4	30	
Hexachlorocyclopentadiene	0.400	0.0860	"	0.860	ND	46.6	10-106		8.04	30	
Hexachloroethane	0.378	0.0860	"	0.860	ND	44.0	10-110		8.53	30	
Indeno(1,2,3-cd)pyrene	0.477	0.0860	"	0.860	ND	55.4	10-144		16.6	30	
Isophorone	0.388	0.0860	"	0.860	ND	45.1	10-132		8.89	30	
Naphthalene	0.430	0.0860	"	0.860	ND	50.0	10-141		10.1	30	
Nitrobenzene	0.365	0.0860	"	0.860	ND	42.5	10-131		11.6	30	
N-Nitrosodimethylamine	0.516	0.0860	"	0.860	ND	60.1	10-126		11.4	30	
N-nitroso-di-n-propylamine	0.350	0.0860	"	0.860	ND	40.7	10-125		6.49	30	
N-Nitrosodiphenylamine	0.437	0.0860	"	0.860	ND	50.9	10-177		14.7	30	
Pentachlorophenol	0.411	0.0860	"	0.860	ND	47.8	10-153		20.1	30	
Phenanthrene	0.413	0.0860	"	0.860	ND	48.0	10-148		14.3	30	
Phenol	0.380	0.0860	"	0.860	ND	44.2	10-126		12.1	30	
Pyrene	0.411	0.0860	"	0.860	ND	47.8	10-165		16.3	30	
Pyridine	0.448	0.344	"	0.860	ND	52.2	10-83		17.7	30	
Surrogate: SURR: 2-Fluorophenol	*0.775*		*"*	*1.72*		*45.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.771*		*"*	*1.72*		*44.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.390*		*"*	*0.860*		*45.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.416*		*"*	*0.860*		*48.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.03*		*"*	*1.72*		*59.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.466*		*"*	*0.860*		*54.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22457 - EPA 3550C											
Blank (BC22457-BLK1) Blank								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*39-127.5*				
LCS (BC22457-BS1) LCS								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	511	19.8	ug/kg	495		103	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BC22457-MS1) Matrix Spike *Source sample: 22C0838-07 (Matrix Spike)								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	512	19.8	ug/kg	495	ND	103	40-130				
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*40-130*				
Matrix Spike (BC22457-MS2) Matrix Spike *Source sample: 22C0991-01 (Matrix Spike)								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BC22457-M Matrix Spike Dup *Source sample: 22C0838-07 (Matrix Spike Dup)								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		3.34	30	
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BC22457-M Matrix Spike Dup *Source sample: 22C0991-01 (Matrix Spike Dup)								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22407 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BC22407-BLK1) Blank									Prepared: 03/17/2022 Analyzed: 03/21/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.30*		"	*4.50*		*95.6*	*25-150*				
Surrogate: M5PFHxA	*4.83*		"	*4.85*		*99.7*	*25-150*				
Surrogate: M4PFHpA	*3.77*		"	*4.85*		*77.7*	*25-150*				
Surrogate: M3PFHxS	*3.95*		"	*4.58*		*86.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.93*		"	*4.85*		*102*	*25-150*				
Surrogate: M6PFDA	*4.94*		"	*4.85*		*102*	*25-150*				
Surrogate: M7PFUdA	*3.16*		"	*4.85*		*65.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.08*		"	*4.85*		*84.2*	*25-150*				
Surrogate: M2PFTeDA	*2.82*		"	*4.85*		*58.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.44*		"	*4.85*		*91.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.97*		"	*4.64*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.47*		"	*4.85*		*92.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.16*		"	*4.85*		*65.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.60*		"	*4.85*		*95.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.73*		"	*4.85*		*77.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.34*		"	*4.60*		*72.7*	*25-200*				
Surrogate: M2-8:2 FTS	*4.79*		"	*4.64*		*103*	*25-200*				
Surrogate: M9PFNA	*4.87*		"	*4.85*		*100*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22407 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC22407-BS1) LCS								Prepared: 03/17/2022 Analyzed: 03/21/2022			
Perfluorobutanesulfonic acid (PFBS)	4.12	0.247	ug/kg wet	4.37		94.3	50-130				
Perfluorohexanoic acid (PFHxA)	5.14	0.247	"	4.94		104	50-130				
Perfluoroheptanoic acid (PFHpA)	5.62	0.247	"	4.94		114	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.71	0.247	"	4.49		105	50-130				
Perfluorooctanoic acid (PFOA)	4.32	0.247	"	4.94		87.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.56	0.247	"	4.57		122	50-130				
Perfluorononanoic acid (PFNA)	4.62	0.247	"	4.94		93.6	50-130				
Perfluorodecanoic acid (PFDA)	4.27	0.247	"	4.94		86.4	50-130				
Perfluoroundecanoic acid (PFUnA)	5.46	0.247	"	4.94		111	50-130				
Perfluorododecanoic acid (PFDoA)	5.25	0.247	"	4.94		106	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.42	0.247	"	4.94		89.5	50-130				
Perfluorotetradecanoic acid (PFTA)	4.92	0.247	"	4.94		99.7	50-130				
N-MeFOSAA	5.16	0.247	"	4.94		104	50-130				
N-EtFOSAA	5.00	0.247	"	4.94		101	50-130				
Perfluoropentanoic acid (PFPeA)	5.10	0.247	"	4.94		103	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.65	0.247	"	4.94		94.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.28	0.247	"	4.72		90.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.50	0.247	"	4.76		94.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.53	0.247	"	4.69		96.6	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.78	0.247	"	4.74		101	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.87	0.247	"	4.94		98.7	50-130				
Surrogate: M3PFBS	*4.27*		*"*	*4.59*		*93.1*	*25-150*				
Surrogate: M5PFHxA	*4.05*		*"*	*4.94*		*82.0*	*25-150*				
Surrogate: M4PFHpA	*3.64*		*"*	*4.94*		*73.7*	*25-150*				
Surrogate: M3PFHxS	*3.96*		*"*	*4.67*		*84.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.90*		*"*	*4.94*		*99.2*	*25-150*				
Surrogate: M6PFDA	*4.51*		*"*	*4.94*		*91.3*	*25-150*				
Surrogate: M7PFUdA	*3.61*		*"*	*4.94*		*73.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.07*		*"*	*4.94*		*82.5*	*25-150*				
Surrogate: M2PFTeDA	*2.94*		*"*	*4.94*		*59.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.17*		*"*	*4.94*		*84.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.53*		*"*	*4.72*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.25*		*"*	*4.94*		*86.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.80*		*"*	*4.94*		*77.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.01*		*"*	*4.94*		*81.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.99*		*"*	*4.94*		*80.8*	*25-150*				
Surrogate: M2-6:2 FTS	*5.08*		*"*	*4.69*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*3.83*		*"*	*4.73*		*81.0*	*25-200*				
Surrogate: M9PFNA	*4.62*		*"*	*4.94*		*93.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22407 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC22407-MS1) Matrix Spike	*Source sample: 22C0889-01 (EP26_0.5)								Prepared: 03/17/2022 Analyzed: 03/21/2022		
Perfluorobutanesulfonic acid (PFBS)	4.53	0.256	ug/kg dry	4.54	ND	99.9	25-150				
Perfluorohexanoic acid (PFHxA)	5.00	0.256	"	5.13	ND	97.5	25-150				
Perfluoroheptanoic acid (PFHpA)	5.83	0.256	"	5.13	ND	114	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.54	0.256	"	4.66	ND	97.4	25-150				
Perfluorooctanoic acid (PFOA)	5.67	0.256	"	5.13	ND	111	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.64	0.256	"	4.74	ND	140	25-150				
Perfluorononanoic acid (PFNA)	5.55	0.256	"	5.13	ND	108	25-150				
Perfluorodecanoic acid (PFDA)	5.23	0.256	"	5.13	ND	102	25-150				
Perfluoroundecanoic acid (PFUnA)	5.18	0.256	"	5.13	ND	101	25-150				
Perfluorododecanoic acid (PFDoA)	5.45	0.256	"	5.13	ND	106	25-150				
Perfluorotridecanoic acid (PFTrDA)	3.88	0.256	"	5.13	ND	75.7	25-150				
Perfluorotetradecanoic acid (PFTA)	5.58	0.256	"	5.13	ND	109	25-150				
N-MeFOSAA	6.65	0.256	"	5.13	ND	130	25-150				
N-EtFOSAA	7.00	0.256	"	5.13	ND	137	25-150				
Perfluoropentanoic acid (PFPeA)	5.06	0.256	"	5.13	ND	98.8	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.30	0.256	"	5.13	ND	103	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.67	0.256	"	4.90	ND	95.4	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.17	0.256	"	4.95	ND	84.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.71	0.256	"	4.87	ND	117	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.37	0.256	"	4.92	ND	88.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.42	0.256	"	5.13	ND	106	25-150				
Surrogate: M3PFBS	*3.74*		*"*	*4.76*		*78.6*	*25-150*				
Surrogate: M5PFHxA	*4.20*		*"*	*5.13*		*82.0*	*25-150*				
Surrogate: M4PFHpA	*3.37*		*"*	*5.13*		*65.7*	*25-150*				
Surrogate: M3PFHxS	*3.96*		*"*	*4.85*		*81.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.06*		*"*	*5.13*		*79.2*	*25-150*				
Surrogate: M6PFDA	*4.00*		*"*	*5.13*		*78.0*	*25-150*				
Surrogate: M7PFUdA	*3.30*		*"*	*5.13*		*64.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.61*		*"*	*5.13*		*70.5*	*25-150*				
Surrogate: M2PFTeDA	*2.33*		*"*	*5.13*		*45.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.76*		*"*	*5.13*		*73.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.46*		*"*	*4.91*		*90.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.23*		*"*	*5.13*		*82.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.48*		*"*	*5.13*		*67.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.32*		*"*	*5.13*		*64.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.86*		*"*	*5.13*		*55.8*	*25-150*				
Surrogate: M2-6:2 FTS	*4.77*		*"*	*4.86*		*98.0*	*25-200*				
Surrogate: M2-8:2 FTS	*3.90*		*"*	*4.91*		*79.4*	*25-200*				
Surrogate: M9PFNA	*4.13*		*"*	*5.13*		*80.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22407 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BC22407-M Matrix Spike Dup	*Source sample: 22C0889-01 (EP26_0.5)								Prepared: 03/17/2022 Analyzed: 03/21/2022		
Perfluorobutanesulfonic acid (PFBS)	4.66	0.271	ug/kg dry	4.80	ND	97.1	25-150		2.78	35	
Perfluorohexanoic acid (PFHxA)	5.13	0.271	"	5.42	ND	94.5	25-150		2.53	35	
Perfluoroheptanoic acid (PFHpA)	6.06	0.271	"	5.42	ND	112	25-150		3.87	35	
Perfluorohexanesulfonic acid (PFHxS)	5.71	0.271	"	4.94	ND	116	25-150		22.8	35	
Perfluorooctanoic acid (PFOA)	5.51	0.271	"	5.42	ND	102	25-150		2.92	35	
Perfluorooctanesulfonic acid (PFOS)	6.85	0.271	"	5.02	ND	137	25-150		3.09	35	
Perfluorononanoic acid (PFNA)	6.10	0.271	"	5.42	ND	113	25-150		9.47	35	
Perfluorodecanoic acid (PFDA)	4.65	0.271	"	5.42	ND	85.7	25-150		11.9	35	
Perfluoroundecanoic acid (PFUnA)	5.24	0.271	"	5.42	ND	96.7	25-150		1.31	35	
Perfluorododecanoic acid (PFDoA)	5.66	0.271	"	5.42	ND	104	25-150		3.80	35	
Perfluorotridecanoic acid (PFTrDA)	4.73	0.271	"	5.42	ND	87.1	25-150		19.6	35	
Perfluorotetradecanoic acid (PFTA)	5.45	0.271	"	5.42	ND	101	25-150		2.31	35	
N-MeFOSAA	5.86	0.271	"	5.42	ND	108	25-150		12.7	35	
N-EtFOSAA	4.52	0.271	"	5.42	ND	83.3	25-150		43.1	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	5.60	0.271	"	5.42	ND	103	25-150		9.98	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.15	0.271	"	5.42	ND	76.4	25-150		24.4	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.60	0.271	"	5.18	ND	108	25-150		18.2	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.38	0.271	"	5.23	ND	83.7	25-150		4.93	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.63	0.271	"	5.15	ND	89.8	25-200		20.9	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.96	0.271	"	5.21	ND	95.3	25-200		12.6	35	
Perfluoro-n-butanoic acid (PFBA)	5.52	0.271	"	5.42	ND	102	25-150		1.86	35	
Surrogate: M3PFBS	*4.53*		*"*	*5.04*		*89.9*	*25-150*				
Surrogate: M5PFHxA	*4.69*		*"*	*5.42*		*86.5*	*25-150*				
Surrogate: M4PFHpA	*3.98*		*"*	*5.42*		*73.3*	*25-150*				
Surrogate: M3PFHxS	*4.10*		*"*	*5.13*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.34*		*"*	*5.42*		*80.0*	*25-150*				
Surrogate: M6PFDA	*4.45*		*"*	*5.42*		*82.1*	*25-150*				
Surrogate: M7PFUdA	*3.84*		*"*	*5.42*		*70.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.80*		*"*	*5.42*		*70.0*	*25-150*				
Surrogate: M2PFTeDA	*2.42*		*"*	*5.42*		*44.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.34*		*"*	*5.42*		*79.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.38*		*"*	*5.19*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.53*		*"*	*5.42*		*83.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.19*		*"*	*5.42*		*77.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.36*		*"*	*5.42*		*80.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.56*		*"*	*5.42*		*84.0*	*25-150*				
Surrogate: M2-6:2 FTS	*6.45*		*"*	*5.15*		*125*	*25-200*				
Surrogate: M2-8:2 FTS	*5.25*		*"*	*5.20*		*101*	*25-200*				
Surrogate: M9PFNA	*4.12*		*"*	*5.42*		*76.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC22488-BLK1) Blank								Prepared & Analyzed: 03/18/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*79.6*		"	*74.3*		*107*	*25-150*				
Surrogate: M5PFHxA	*81.2*		"	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*78.0*		"	*80.0*		*97.5*	*25-150*				
Surrogate: M3PFHxS	*83.3*		"	*75.7*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.4*		"	*80.0*		*109*	*25-150*				
Surrogate: M6PFDA	*86.2*		"	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*85.4*		"	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.8*		"	*80.0*		*110*	*25-150*				
Surrogate: M2PFTeDA	*68.5*		"	*80.0*		*85.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.2*		"	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.7*		"	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.9*		"	*80.0*		*98.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.8*		"	*80.0*		*44.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.3*		"	*80.0*		*104*	*25-150*				
Surrogate: d5-N-EtFOSAA	*90.6*		"	*80.0*		*113*	*25-150*				
Surrogate: M2-6:2 FTS	*99.1*		"	*75.9*		*131*	*25-200*				
Surrogate: M2-8:2 FTS	*130*		"	*76.6*		*170*	*25-200*				
Surrogate: M9PFNA	*89.0*		"	*80.0*		*111*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC22488-BS1) LCS							Prepared & Analyzed: 03/18/2022				
Perfluorobutanesulfonic acid (PFBS)	71.8	2.00	ng/L	70.8		101	50-130				
Perfluorohexanoic acid (PFHxA)	82.4	2.00	"	80.0		103	50-130				
Perfluoroheptanoic acid (PFHpA)	88.0	2.00	"	80.0		110	50-130				
Perfluorohexanesulfonic acid (PFHxS)	69.9	2.00	"	72.8		96.0	50-130				
Perfluorooctanoic acid (PFOA)	82.8	2.00	"	80.0		104	50-130				
Perfluorooctanesulfonic acid (PFOS)	83.9	2.00	"	74.0		113	50-130				
Perfluorononanoic acid (PFNA)	81.1	2.00	"	80.0		101	50-130				
Perfluorodecanoic acid (PFDA)	81.1	2.00	"	80.0		101	50-130				
Perfluoroundecanoic acid (PFUnA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorododecanoic acid (PFDoA)	83.1	2.00	"	80.0		104	50-130				
Perfluorotridecanoic acid (PFTrDA)	70.6	2.00	"	80.0		88.3	50-130				
Perfluorotetradecanoic acid (PFTA)	83.4	2.00	"	80.0		104	50-130				
N-MeFOSAA	86.3	2.00	"	80.0		108	50-130				
N-EtFOSAA	85.6	2.00	"	80.0		107	50-130				
Perfluoropentanoic acid (PFPeA)	80.1	2.00	"	80.0		100	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	2.00	"	80.0		95.3	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.8	2.00	"	76.4		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.4	2.00	"	77.2		98.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	87.2	5.00	"	76.0		115	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	62.8	2.00	"	76.8		81.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.4	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	*75.8*		*"*	*74.3*		*102*	*25-150*				
Surrogate: M5PFHxA	*77.7*		*"*	*80.0*		*97.2*	*25-150*				
Surrogate: M4PFHpA	*74.3*		*"*	*80.0*		*92.8*	*25-150*				
Surrogate: M3PFHxS	*82.4*		*"*	*75.7*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.7*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*86.0*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*86.8*		*"*	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*89.5*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2PFTeDA	*69.8*		*"*	*80.0*		*87.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.9*		*"*	*80.0*		*89.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.5*		*"*	*76.6*		*120*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.5*		*"*	*80.0*		*99.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.1*		*"*	*80.0*		*26.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*87.2*		*"*	*80.0*		*109*	*25-150*				
Surrogate: d5-N-EtFOSAA	*87.0*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M2-6:2 FTS	*87.5*		*"*	*75.9*		*115*	*25-200*				
Surrogate: M2-8:2 FTS	*113*		*"*	*76.6*		*148*	*25-200*				
Surrogate: M9PFNA	*88.3*		*"*	*80.0*		*110*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC22488-MS1) Matrix Spike	*Source sample: 22C0919-01 (Matrix Spike)							Prepared & Analyzed: 03/18/2022			
Perfluorobutanesulfonic acid (PFBS)	71.4	1.85	ng/L	65.6	2.78	105	25-150				
Perfluorohexanoic acid (PFHxA)	76.7	1.85	"	74.1	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	83.9	1.85	"	74.1	ND	113	25-150				
Perfluorohexanesulfonic acid (PFHxS)	77.1	1.85	"	67.4	ND	114	25-150				
Perfluorooctanoic acid (PFOA)	74.8	1.85	"	74.1	ND	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	75.9	1.85	"	68.5	ND	111	25-150				
Perfluorononanoic acid (PFNA)	80.2	1.85	"	74.1	ND	108	25-150				
Perfluorodecanoic acid (PFDA)	72.0	1.85	"	74.1	ND	97.2	25-150				
Perfluoroundecanoic acid (PFUnA)	77.2	1.85	"	74.1	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	81.4	1.85	"	74.1	ND	110	25-150				
Perfluorotridecanoic acid (PFTrDA)	71.9	1.85	"	74.1	ND	97.1	25-150				
Perfluorotetradecanoic acid (PFTA)	79.0	1.85	"	74.1	ND	107	25-150				
N-MeFOSAA	90.2	1.85	"	74.1	ND	122	25-150				
N-EtFOSAA	81.0	1.85	"	74.1	ND	109	25-150				
Perfluoropentanoic acid (PFPeA)	80.4	1.85	"	74.1	ND	108	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	85.2	1.85	"	74.1	113	NR	25-150	Low Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	77.6	1.85	"	70.7	ND	110	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	72.4	1.85	"	71.5	ND	101	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.9	4.63	"	70.4	ND	96.5	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.6	1.85	"	71.1	ND	96.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	139	1.85	"	74.1	60.2	106	25-150				
Surrogate: M3PFBS	*63.0*		*"*	*68.8*		*91.6*	*25-150*				
Surrogate: M5PFHxA	*66.1*		*"*	*74.1*		*89.2*	*25-150*				
Surrogate: M4PFHpA	*59.3*		*"*	*74.1*		*80.1*	*25-150*				
Surrogate: M3PFHxS	*61.5*		*"*	*70.1*		*87.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4*		*"*	*74.1*		*93.6*	*25-150*				
Surrogate: M6PFDA	*73.6*		*"*	*74.1*		*99.4*	*25-150*				
Surrogate: M7PFUdA	*68.5*		*"*	*74.1*		*92.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.1*		*"*	*74.1*		*94.7*	*25-150*				
Surrogate: M2PFTeDA	*63.2*		*"*	*74.1*		*85.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.8*		*"*	*74.1*		*80.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.9*		*"*	*70.9*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.7*		*"*	*74.1*		*90.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.46*		*"*	*74.1*		*1.97*	*10-150*				
Surrogate: d3-N-MeFOSAA	*64.9*		*"*	*74.1*		*87.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*71.8*		*"*	*74.1*		*96.9*	*25-150*				
Surrogate: M2-6:2 FTS	*84.5*		*"*	*70.3*		*120*	*25-200*				
Surrogate: M2-8:2 FTS	*76.0*		*"*	*71.0*		*107*	*25-200*				
Surrogate: M9PFNA	*66.9*		*"*	*74.1*		*90.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BC22488-M Matrix Spike Dup	*Source sample: 22C0919-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/18/2022			
Perfluorobutanesulfonic acid (PFBS)	68.0	1.85	ng/L	65.6	2.78	99.5	25-150		4.86	35	
Perfluorohexanoic acid (PFHxA)	71.5	1.85	"	74.1	ND	96.5	25-150		6.99	35	
Perfluoroheptanoic acid (PFHpA)	78.5	1.85	"	74.1	ND	106	25-150		6.65	35	
Perfluorohexanesulfonic acid (PFHxS)	59.0	1.85	"	67.4	ND	87.5	25-150		26.7	35	
Perfluorooctanoic acid (PFOA)	59.5	1.85	"	74.1	ND	80.4	25-150		22.8	35	
Perfluorooctanesulfonic acid (PFOS)	77.4	1.85	"	68.5	ND	113	25-150		1.97	35	
Perfluorononanoic acid (PFNA)	79.1	1.85	"	74.1	ND	107	25-150		1.35	35	
Perfluorodecanoic acid (PFDA)	77.7	1.85	"	74.1	ND	105	25-150		7.60	35	
Perfluoroundecanoic acid (PFUnA)	73.9	1.85	"	74.1	ND	99.7	25-150		4.40	35	
Perfluorododecanoic acid (PFDoA)	75.3	1.85	"	74.1	ND	102	25-150		7.70	35	
Perfluorotridecanoic acid (PFTrDA)	64.3	1.85	"	74.1	ND	86.8	25-150		11.1	35	
Perfluorotetradecanoic acid (PFTA)	78.2	1.85	"	74.1	ND	106	25-150		1.02	35	
N-MeFOSAA	80.0	1.85	"	74.1	ND	108	25-150		12.0	35	
N-EtFOSAA	86.0	1.85	"	74.1	ND	116	25-150		6.01	35	
Perfluoropentanoic acid (PFPeA)	77.6	1.85	"	74.1	ND	105	25-150		3.51	35	
Perfluoro-1-octanesulfonamide (FOSA)	60.8	1.85	"	74.1	113	NR	25-150	Low Bias	33.5	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.0	1.85	"	70.7	ND	105	25-150		4.78	35	
Perfluoro-1-decanesulfonic acid (PFDS)	70.2	1.85	"	71.5	ND	98.2	25-150		3.12	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.2	4.63	"	70.4	ND	79.9	25-200		18.8	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	49.1	1.85	"	71.1	ND	69.1	25-200		33.1	35	
Perfluoro-n-butanoic acid (PFBA)	133	1.85	"	74.1	60.2	97.7	25-150		4.42	35	
Surrogate: M3PFBS	*87.1*		"	*68.8*		*127*	*25-150*				
Surrogate: M5PFHxA	*88.9*		"	*74.1*		*120*	*25-150*				
Surrogate: M4PFHpA	*78.6*		"	*74.1*		*106*	*25-150*				
Surrogate: M3PFHxS	*97.0*		"	*70.1*		*138*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*97.5*		"	*74.1*		*132*	*25-150*				
Surrogate: M6PFDA	*90.7*		"	*74.1*		*122*	*25-150*				
Surrogate: M7PFUdA	*92.0*		"	*74.1*		*124*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*101*		"	*74.1*		*137*	*25-150*				
Surrogate: M2PFTeDA	*83.4*		"	*74.1*		*113*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.2*		"	*74.1*		*108*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*96.7*		"	*70.9*		*136*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.6*		"	*74.1*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.38*		"	*74.1*		*3.21*	*10-150*				
Surrogate: d3-N-MeFOSAA	*96.7*		"	*74.1*		*131*	*25-150*				
Surrogate: d5-N-EtFOSAA	*97.9*		"	*74.1*		*132*	*25-150*				
Surrogate: M2-6:2 FTS	*118*		"	*70.3*		*167*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		"	*71.0*		*152*	*25-200*				
Surrogate: M9PFNA	*89.3*		"	*74.1*		*121*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22410 - EPA 3550C											
Blank (BC22410-BLK1) Blank									Prepared: 03/17/2022 Analyzed: 03/18/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0664*		*"*	*0.0664*		*99.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0588*		*"*	*0.0664*		*88.5*	*30-150*				
LCS (BC22410-BS1) LCS									Prepared: 03/17/2022 Analyzed: 03/18/2022		
4,4'-DDD	0.0368	0.00164	mg/kg wet	0.0332		111	40-140				
4,4'-DDE	0.0270	0.00164	"	0.0332		81.4	40-140				
4,4'-DDT	0.0135	0.00164	"	0.0332		40.5	40-140				
Aldrin	0.0370	0.00164	"	0.0332		111	40-140				
alpha-BHC	0.0413	0.00164	"	0.0332		124	40-140				
alpha-Chlordane	0.0345	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0367	0.00164	"	0.0332		111	40-140				
delta-BHC	0.0344	0.00164	"	0.0332		104	40-140				
Dieldrin	0.0344	0.00164	"	0.0332		104	40-140				
Endosulfan I	0.0385	0.00164	"	0.0332		116	40-140				
Endosulfan II	0.0329	0.00164	"	0.0332		98.9	40-140				
Endosulfan sulfate	0.0286	0.00164	"	0.0332		86.1	40-140				
Endrin	0.0291	0.00164	"	0.0332		87.6	40-140				
Endrin aldehyde	0.0436	0.00164	"	0.0332		131	40-140				
Endrin ketone	0.0415	0.00164	"	0.0332		125	40-140				
gamma-BHC (Lindane)	0.0408	0.00164	"	0.0332		123	40-140				
gamma-Chlordane	0.0350	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0325	0.00164	"	0.0332		97.9	40-140				
Heptachlor epoxide	0.0365	0.00164	"	0.0332		110	40-140				
Methoxychlor	0.0201	0.00164	"	0.0332		60.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0484*		*"*	*0.0664*		*72.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0440*		*"*	*0.0664*		*66.3*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22410 - EPA 3550C											
Blank (BC22410-BLK2) Blank									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0555*		*"*	*0.0664*		*83.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0455*		*"*	*0.0664*		*68.5*	*30-150*				
LCS (BC22410-BS2) LCS									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aroclor 1016	0.231	0.0166	mg/kg wet	0.332		69.6	40-140			30	
Aroclor 1260	0.232	0.0166	"	0.332		69.7	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0425*		*"*	*0.0664*		*64.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0379*		*"*	*0.0664*		*57.0*	*30-150*				
Matrix Spike (BC22410-MS2) Matrix Spike *Source sample: 22C0739-01 (Matrix Spike)									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aroclor 1016	0.302	0.0181	mg/kg dry	0.362	ND	83.5	40-140			30	
Aroclor 1260	0.308	0.0181	"	0.362	ND	85.2	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0557*		*"*	*0.0724*		*77.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0510*		*"*	*0.0724*		*70.5*	*30-150*				
Matrix Spike Dup (BC22410-M Matrix Spike Dup *Source sample: 22C0739-01 (Matrix Spike Dup)									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aroclor 1016	0.297	0.0181	mg/kg dry	0.362	ND	82.1	40-140		1.74	30	
Aroclor 1260	0.293	0.0181	"	0.362	ND	81.0	40-140		5.13	30	
Surrogate: Tetrachloro-m-xylene	*0.0550*		*"*	*0.0724*		*76.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0478*		*"*	*0.0724*		*66.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22370 - EPA 3550C/8151A											
Blank (BC22370-BLK1) Blank								Prepared & Analyzed: 03/17/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.149*		*"*	*0.415*		*35.8*	*21-150*				
LCS (BC22370-BS1) LCS								Prepared & Analyzed: 03/17/2022			
2,4,5-T	0.0332	0.0199	mg/kg wet	0.133		25.0	10-120				
2,4,5-TP (Silvex)	0.0365	0.0199	"	0.133		27.5	10-120				
2,4-D	0.0432	0.0199	"	0.133		32.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.172*		*"*	*0.415*		*41.4*	*21-150*				
Matrix Spike (BC22370-MS1) Matrix Spike *Source sample: 22C0620-01 (Matrix Spike)								Prepared & Analyzed: 03/17/2022			
2,4,5-T	0.0840	0.0210	mg/kg dry	0.140	ND	60.0	10-120				
2,4,5-TP (Silvex)	0.0796	0.0210	"	0.140	ND	56.9	10-120				
2,4-D	0.103	0.0210	"	0.140	ND	73.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.287*		*"*	*0.438*		*65.6*	*21-150*				
Matrix Spike Dup (BC22370-M Matrix Spike Dup *Source sample: 22C0620-01 (Matrix Spike Dup)								Prepared & Analyzed: 03/17/2022			
2,4,5-T	0.0814	0.0210	mg/kg dry	0.140	ND	58.1	10-120		3.17	35	
2,4,5-TP (Silvex)	0.0718	0.0210	"	0.140	ND	51.3	10-120		10.4	35	
2,4-D	0.0884	0.0210	"	0.140	ND	63.1	10-118		15.5	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0665*		*"*	*0.438*		*15.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22431 - EPA 3050B											
Blank (BC22431-BLK1) Blank									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aluminum	8.90	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	0.682	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC22431-DUP1) Duplicate *Source sample: 22C0947-09 (Duplicate)									Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aluminum	7730	5.55	mg/kg dry		7310				5.49	35	
Antimony	ND	2.77	"		ND					35	
Arsenic	9.78	1.66	"		9.73				0.597	35	
Barium	188	2.77	"		146				25.4	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	0.594	0.333	"		0.586				1.44	35	
Calcium	32100	5.55	"		33100				3.33	35	
Chromium	19.7	0.555	"		20.9				5.81	35	
Cobalt	6.72	0.444	"		6.24				7.38	35	
Copper	63.1	2.22	"		72.8				14.2	35	
Iron	14800	27.7	"		14100				4.85	35	
Lead	573	0.555	"		279				69.1	35	Non-dir.
Magnesium	4420	5.55	"		4690				5.94	35	
Manganese	290	0.555	"		260				10.8	35	
Nickel	12.0	1.11	"		12.0				0.134	35	
Potassium	1270	5.55	"		1180				7.40	35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.555	"		ND					35	
Sodium	241	55.5	"		279				15.0	35	
Thallium	ND	2.77	"		ND					35	
Vanadium	26.8	1.11	"		25.5				5.16	35	
Zinc	166	2.77	"		166				0.0293	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22431 - EPA 3050B											
Matrix Spike (BC22431-MS1) Matrix Spike	*Source sample: 22C0947-09 (Matrix Spike)								Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aluminum	7640	5.55	mg/kg dry	222	7310	146	75-125	High Bias			
Antimony	11.0	2.77	"	27.7	ND	39.7	75-125	Low Bias			
Arsenic	253	1.66	"	222	9.73	110	75-125				
Barium	404	2.77	"	222	146	117	75-125				
Beryllium	5.66	0.055	"	5.55	ND	102	75-125				
Cadmium	6.51	0.333	"	5.55	0.586	107	75-125				
Calcium	51000	5.55	"	111	33100	NR	75-125	High Bias			
Chromium	44.2	0.555	"	22.2	20.9	105	75-125				
Cobalt	69.5	0.444	"	55.5	6.24	114	75-125				
Copper	90.0	2.22	"	27.7	72.8	62.3	75-125	Low Bias			
Iron	14500	27.7	"	111	14100	437	75-125	High Bias			
Lead	317	0.555	"	55.5	279	69.1	75-125	Low Bias			
Magnesium	17800	5.55	"	111	4690	NR	75-125	High Bias			
Manganese	348	0.555	"	55.5	260	159	75-125	High Bias			
Nickel	79.8	1.11	"	55.5	12.0	122	75-125				
Potassium	1670	5.55	"	111	1180	435	75-125	High Bias			
Selenium	207	2.77	"	222	ND	93.2	75-125				
Silver	6.66	0.555	"	5.55	ND	120	75-125				
Sodium	324	55.5	"	111	279	40.6	75-125	Low Bias			
Thallium	233	2.77	"	222	ND	105	75-125				
Vanadium	90.5	1.11	"	55.5	25.5	117	75-125				
Zinc	207	2.77	"	55.5	166	75.1	75-125				
Post Spike (BC22431-PS1) Post Spike	*Source sample: 22C0947-09 (Post Spike)								Prepared: 03/17/2022 Analyzed: 03/18/2022		
Aluminum	66.1		ug/mL	2.00	65.9	10.4	75-125	Low Bias			
Antimony	0.294		"	0.250	-0.002	117	75-125				
Arsenic	2.34		"	2.00	0.088	113	75-125				
Barium	3.68		"	2.00	1.31	118	75-125				
Beryllium	0.053		"	0.0500	-0.007	107	75-125				
Cadmium	0.060		"	0.0500	0.005	110	75-125				
Calcium	293		"	1.00	299	NR	75-125	Low Bias			
Chromium	0.411		"	0.200	0.189	111	75-125				
Cobalt	0.652		"	0.500	0.056	119	75-125				
Copper	0.934		"	0.250	0.656	111	75-125				
Iron	128		"	1.00	127	93.4	75-125				
Lead	3.06		"	0.500	2.51	110	75-125				
Magnesium	43.5		"	1.00	42.3	115	75-125				
Manganese	2.92		"	0.500	2.34	114	75-125				
Nickel	0.734		"	0.500	0.108	125	75-125				
Potassium	11.8		"	1.00	10.7	117	75-125				
Selenium	1.76		"	2.00	-0.153	88.1	75-125				
Silver	0.030		"	0.0500	-0.0008	59.8	75-125	Low Bias			
Sodium	3.63		"	1.00	2.52	112	75-125				
Thallium	2.21		"	2.00	-0.029	111	75-125				
Vanadium	0.825		"	0.500	0.230	119	75-125				
Zinc	2.01		"	0.500	1.49	104	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22431 - EPA 3050B											
Reference (BC22431-SRM1) Reference								Prepared: 03/17/2022 Analyzed: 03/18/2022			
Aluminum	8690	5.00	mg/kg wet	10100		86.1	39.5-118.8				
Antimony	84.3	2.50	"	244		34.6	10-123				
Arsenic	108	1.50	"	109		99.0	63.7-118.3				
Barium	393	2.50	"	364		108	70.3-117				
Beryllium	57.1	0.050	"	57.0		100	69.3-115.4				
Cadmium	46.8	0.300	"	48.7		96.1	67.8-112.9				
Calcium	4700	5.00	"	5190		90.7	66.3-116.6				
Chromium	177	0.500	"	173		102	65.3-120.8				
Cobalt	158	0.400	"	148		107	70.3-117.6				
Copper	209	2.00	"	179		117	70.9-117.9				
Iron	14800	25.0	"	15000		98.4	36.8-162.7				
Lead	107	0.500	"	101		106	69.1-126.7				
Magnesium	2290	5.00	"	2570		89.0	56.4-124.9				
Manganese	398	0.500	"	370		107	72.2-119.2				
Nickel	52.8	1.00	"	52.2		101	63.4-117.8				
Potassium	2130	5.00	"	2420		88.1	49.6-118.6				
Selenium	56.0	2.50	"	104		53.8	58.5-122.1	Low Bias			
Silver	29.5	0.500	"	29.9		98.6	63.5-123.7				
Sodium	143	50.0	"	161		89.1	30.1-139.1				
Thallium	94.6	2.50	"	101		93.7	59.8-120.8				
Vanadium	200	1.00	"	194		103	73.2-117				
Zinc	407	2.50	"	431		94.5	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22399 - EPA 7473 soil												
Blank (BC22399-BLK1)	Blank								Prepared & Analyzed: 03/17/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC22399-DUP1)	Duplicate	*Source sample: 22C0707-02 (Duplicate)							Prepared & Analyzed: 03/17/2022			
Mercury		0.113	0.0331	mg/kg dry		0.126				10.9	35	
Matrix Spike (BC22399-MS1)	Matrix Spike	*Source sample: 22C0707-02 (Matrix Spike)							Prepared & Analyzed: 03/17/2022			
Mercury		0.610		mg/kg	0.500	0.115	99.1	75-125				
Reference (BC22399-SRM1)	Reference								Prepared & Analyzed: 03/17/2022			
Mercury		20.148		mg/kg	27.2		74.1	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22378 - Analysis Preparation Soil												
Blank (BC22378-BLK1)	Blank								Prepared & Analyzed: 03/17/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC22378-DUP1)	Duplicate	*Source sample: 22C0935-04 (Duplicate)							Prepared & Analyzed: 03/17/2022			
Cyanide, total		ND	0.500	mg/kg wet		ND					15	
Matrix Spike (BC22378-MS1)	Matrix Spike	*Source sample: 22C0935-04 (Matrix Spike)							Prepared & Analyzed: 03/17/2022			
Cyanide, total		7.35	0.500	mg/kg wet	10.0	ND	73.5	79.6-107	Low Bias			
Reference (BC22378-SRM1)	Reference								Prepared & Analyzed: 03/17/2022			
Cyanide, total		85.9		ug/mL	86.8		99.0	41.82-157.83				
Batch BC22395 - EPA SW846-3060												
Blank (BC22395-BLK1)	Blank								Prepared & Analyzed: 03/17/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC22395-DUP1)	Duplicate	*Source sample: 22C0771-02 (Duplicate)							Prepared & Analyzed: 03/17/2022			
Chromium, Hexavalent		ND	0.507	mg/kg dry		ND					35	
Matrix Spike (BC22395-MS1)	Matrix Spike	*Source sample: 22C0771-02 (Matrix Spike)							Prepared & Analyzed: 03/17/2022			
Chromium, Hexavalent		15.5	0.507	mg/kg dry	20.3	ND	76.6	75-125				
Reference (BC22395-SRM1)	Reference								Prepared & Analyzed: 03/17/2022			
Chromium, Hexavalent		107		mg/L	109		98.1	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22511 - % Solids Prep											
Duplicate (BC22511-DUP1) Duplicate	*Source sample: 22C0772-02 (Duplicate)							Prepared & Analyzed: 03/18/2022			
% Solids	59.5	0.100	%		62.1				4.22	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0889-01	EP26_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0859

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 300 West 31st St 8th Floor, New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: ksemon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP26_05	S	3/16/22 0850	TCL/Hot SVOCs, VOCs, SVOC, PCBs pesticides herbicides, metals including cyanide, hex chromium, PFAS, 1-4-dioxide	
FB01_PFAS_03162022	other GW	3/16/22 1004	PFAS	

Comments: Please include lesmall@langan.com mcarrica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ☐ Lab to Filter ☐

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Gabe Langan	3/16/22 1175	Mark M York Labs	3/16/22 1137AM	Mark M York Labs	3/16/22 1750
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
[signature]	3/16/22 1750	Ivan B	3/16/22 1952		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	3/16/22 1952 / 4.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 03/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0991

Report Date: 03/24/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C0991

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 17, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0991-01	EP14_0.5	Soil	03/17/2022	03/17/2022
22C0991-02	EP05_0.5	Soil	03/17/2022	03/17/2022
22C0991-03	DUP05_03172022	Soil	03/17/2022	03/17/2022
22C0991-04	FB05_03172022	Water	03/17/2022	03/17/2022
22C0991-05	FB01_PFAS_03172022	Water	03/17/2022	03/17/2022
22C0991-06	TB05_03172022	Water	03/17/2022	03/17/2022

General Notes for York Project (SDG) No.: 22C0991

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 03/24/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.029	0.058	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0034**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0038**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0014	0.0029	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	03/18/2022 06:12	03/18/2022 14:59	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	**Dimethyl phthalate**	**0.148**		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.104	0.209	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0524	0.104	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.209	0.418	2	EPA 8270D	03/18/2022 07:28	03/18/2022 23:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*77.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*73.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*81.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*62.1 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*50.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.5 %*	*24-116*

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/18/2022 07:25	03/18/2022 23:04	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*86.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.307	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:00	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.9 %*	*25-150*
Surrogate: M5PFHxA	*89.8 %*	*25-150*
Surrogate: M4PFHpA	*84.2 %*	*25-150*
Surrogate: M3PFHxS	*92.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*75.4 %*	*25-150*
Surrogate: M6PFDA	*83.2 %*	*25-150*
Surrogate: M7PFUdA	*76.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*78.7 %*	*25-150*
Surrogate: M2PFTeDA	*68.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*74.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*104 %*	*25-200*
Surrogate: M2-8:2 FTS	*67.3 %*	*25-200*
Surrogate: M9PFNA	*81.1 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:00	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:00	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:00	CM

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.202	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0404	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:00	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.4 %*	*30-150*

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	1	EPA 8082A	03/18/2022 12:39	03/21/2022 12:49	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*75.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11000**		mg/kg dry	6.28	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.75**		mg/kg dry	3.14	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.88	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**68.5**		mg/kg dry	3.14	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.377	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2650**		mg/kg dry	6.28	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**48.5**	B	mg/kg dry	0.628	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**19.2**		mg/kg dry	0.503	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**33.3**		mg/kg dry	2.51	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**26700**		mg/kg dry	31.4	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**11.7**		mg/kg dry	0.628	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9500**		mg/kg dry	6.28	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**504**		mg/kg dry	0.628	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**295**		mg/kg dry	1.26	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2500**		mg/kg dry	6.28	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.14	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.628	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**265**		mg/kg dry	62.8	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.14	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.6**		mg/kg dry	1.26	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**50.8**		mg/kg dry	3.14	1	EPA 6010D	03/18/2022 16:18	03/21/2022 15:44	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP14_0.5 **York Sample ID:** 22C0991-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:30 am	03/17/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0377	1	EPA 7473	03/18/2022 20:57	03/21/2022 10:51	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.628	1	EPA 7196A	03/21/2022 09:06	03/21/2022 17:34	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**48.5**		mg/kg	0.500	1	Calculation	03/21/2022 17:04	03/21/2022 18:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.628	1	EPA 9014/9010C	03/18/2022 08:06	03/18/2022 13:53	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.6**		%	0.100	1	SM 2540G	03/21/2022 12:54	03/21/2022 15:20	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**		mg/kg dry	0.0046	0.0093	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0076**	J	mg/kg dry	0.0046	0.0093	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	03/18/2022 06:12	03/18/2022 15:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	**Dimethyl phthalate**	**0.108**		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.202	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*77.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*72.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*80.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*61.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*47.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.5 %*	*24-116*

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/18/2022 07:25	03/18/2022 23:21	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.9 %*	*25-150*
Surrogate: M5PFHxA	*85.8 %*	*25-150*
Surrogate: M4PFHpA	*76.9 %*	*25-150*
Surrogate: M3PFHxS	*92.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.7 %*	*25-150*
Surrogate: M6PFDA	*70.3 %*	*25-150*
Surrogate: M7PFUdA	*61.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.7 %*	*25-150*
Surrogate: M2PFTeDA	*58.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*68.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*102 %*	*25-200*
Surrogate: M2-8:2 FTS	*84.1 %*	*25-200*
Surrogate: M9PFNA	*73.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 12:51	CM

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0401	5	EPA 8081B	03/18/2022 12:39	03/21/2022 12:51	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.8 %*	*30-150*

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:02	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*94.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0246	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:23	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9460**		mg/kg dry	6.21	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.42**		mg/kg dry	3.11	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.86	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**52.9**		mg/kg dry	3.11	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1080**		mg/kg dry	6.21	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**39.2**	B	mg/kg dry	0.621	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**20.8**		mg/kg dry	0.497	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**19.1**		mg/kg dry	2.48	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**23700**		mg/kg dry	31.1	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**6.74**		mg/kg dry	0.621	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5750**		mg/kg dry	6.21	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**361**		mg/kg dry	0.621	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**320**		mg/kg dry	1.24	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1500**		mg/kg dry	6.21	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.621	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**100**		mg/kg dry	62.1	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.11	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.4**		mg/kg dry	1.24	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**30.0**		mg/kg dry	3.11	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:02	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP05_0.5 **York Sample ID:** 22C0991-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 8:40 am	03/17/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0373	1	EPA 7473	03/18/2022 20:57	03/21/2022 14:52	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.621	1	EPA 7196A	03/21/2022 09:06	03/21/2022 17:34	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**39.2**		mg/kg	0.500	1	Calculation	03/21/2022 17:04	03/21/2022 18:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.621	1	EPA 9014/9010C	03/18/2022 08:06	03/18/2022 13:53	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.5**		%	0.100	1	SM 2540G	03/21/2022 12:54	03/21/2022 15:20	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0060**	CCV-E, J	mg/kg dry	0.0050	0.010	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0089**	J	mg/kg dry	0.0050	0.010	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	03/21/2022 06:41	03/21/2022 13:11	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.201	0.403	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.403	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	**Dimethyl phthalate**	**0.0981**	J	mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.201	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.403	2	EPA 8270D	03/18/2022 07:28	03/19/2022 01:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*82.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*80.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*87.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*53.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.9 %*	*24-116*

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/18/2022 07:25	03/18/2022 23:38	KH

Surrogate Recoveries	Result	Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.306	1	EPA 537m Certifications:	03/18/2022 11:40	03/22/2022 15:49	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.4 %*	*25-150*
Surrogate: M5PFHxA	*87.2 %*	*25-150*
Surrogate: M4PFHpA	*77.4 %*	*25-150*
Surrogate: M3PFHxS	*98.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*74.6 %*	*25-150*
Surrogate: M6PFDA	*74.4 %*	*25-150*
Surrogate: M7PFUdA	*72.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*82.0 %*	*25-150*
Surrogate: M2PFTeDA	*67.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*80.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*90.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*77.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*95.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*114 %*	*25-200*
Surrogate: M9PFNA	*79.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 13:59	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 13:59	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2022 12:39	03/21/2022 13:59	CM

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.199	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0398	5	EPA 8081B	03/18/2022 12:39	03/21/2022 13:59	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.5 %*	*30-150*

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A	03/18/2022 12:39	03/21/2022 13:16	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*98.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0244	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0244	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0244	1	EPA 8151A	03/18/2022 07:21	03/18/2022 21:34	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*76.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11300**		mg/kg dry	6.15	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**5.11**		mg/kg dry	3.08	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.85	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**54.9**		mg/kg dry	3.08	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.369	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1260**		mg/kg dry	6.15	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**77.9**	B	mg/kg dry	0.615	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**29.3**		mg/kg dry	0.492	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**25.7**		mg/kg dry	2.46	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**26700**		mg/kg dry	30.8	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**9.44**		mg/kg dry	0.615	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**15300**		mg/kg dry	6.15	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**520**		mg/kg dry	0.615	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**527**		mg/kg dry	1.23	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1620**		mg/kg dry	6.15	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.08	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.615	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**159**		mg/kg dry	61.5	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.08	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**30.8**		mg/kg dry	1.23	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**34.0**		mg/kg dry	3.08	1	EPA 6010D	03/18/2022 16:18	03/21/2022 16:04	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP05_03172022 **York Sample ID:** 22C0991-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Soil	March 17, 2022 12:47 pm	03/17/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0369	1	EPA 7473	03/18/2022 20:57	03/21/2022 15:01	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.615	1	EPA 7196A	03/21/2022 09:06	03/21/2022 17:34	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**17.9**		mg/kg	0.500	1	Calculation	03/21/2022 17:04	03/21/2022 18:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.615	1	EPA 9014/9010C	03/18/2022 08:06	03/18/2022 13:53	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.3**		%	0.100	1	SM 2540G	03/21/2022 12:54	03/21/2022 15:20	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**5.92**	B	ug/L	1.00	2.00	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/24/2022 06:34	03/24/2022 14:01	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	**Dimethyl phthalate**	**4.82**	J, B	ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D	03/21/2022 07:42	03/21/2022 13:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*45.3 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*26.2 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*94.7 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.3 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*61.4 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*85.2 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	03/21/2022 07:42	03/21/2022 12:05	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	03/21/2022 08:55	03/21/2022 14:27	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B	03/18/2022 07:11	03/21/2022 20:08	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.1 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A	03/18/2022 07:11	03/18/2022 17:18	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.5 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	03/21/2022 07:41	03/21/2022 17:36	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	03/21/2022 07:41	03/21/2022 17:36	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	03/21/2022 07:41	03/21/2022 17:36	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*68.4 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.189**		mg/L	0.0556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**0.00748**		mg/L	0.00556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**0.150**		mg/L	0.0556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	03/21/2022 09:46	03/21/2022 16:34	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00177**	B	mg/L	0.00111	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	03/21/2022 09:57	03/21/2022 14:56	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	03/18/2022 16:32	03/18/2022 16:32	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB05_03172022 **York Sample ID:** 22C0991-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:53 am	03/17/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	03/17/2022 20:09	03/17/2022 20:12	LRW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	03/21/2022 17:07	03/21/2022 18:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	03/21/2022 08:19	03/21/2022 14:02	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_PFAS_03172022** **York Sample ID:** **22C0991-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 9:47 am	03/17/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/18/2022 11:37	03/18/2022 23:33	WL

Sample Information

Client Sample ID: FB01_PFAS_03172022 **York Sample ID:** 22C0991-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 9:47 am	03/17/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	03/18/2022 11:37	03/18/2022 23:33	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*96.3 %*	*25-150*
Surrogate: M5PFHxA	*91.1 %*	*25-150*
Surrogate: M4PFHpA	*89.9 %*	*25-150*
Surrogate: M3PFHxS	*98.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.8 %*	*25-150*
Surrogate: M6PFDA	*87.0 %*	*25-150*
Surrogate: M7PFUdA	*88.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*88.2 %*	*25-150*
Surrogate: M2PFTeDA	*76.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*111 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*35.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*70.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*78.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*102 %*	*25-200*
Surrogate: M2-8:2 FTS	*127 %*	*25-200*
Surrogate: M9PFNA	*97.5 %*	*25-150*

Sample Information

Client Sample ID: TB05_03172022 **York Sample ID:** 22C0991-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:41 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB05_03172022 **York Sample ID:** 22C0991-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:41 am	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB05_03172022 **York Sample ID:** 22C0991-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:41 am	03/17/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB05_03172022 **York Sample ID:** 22C0991-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0991	170610601	Water	March 17, 2022 10:41 am	03/17/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/21/2022 06:13	03/21/2022 14:54	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*111 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*79-122*

Analytical Batch Summary

Batch ID: BC22448 **Preparation Method:** Analysis Preparation **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/17/22
BC22448-BLK1	Blank	03/17/22
BC22448-BS1	LCS	03/17/22
BC22448-DUP1	Duplicate	03/17/22
BC22448-MS1	Matrix Spike	03/17/22

Batch ID: BC22453 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/18/22
22C0991-04	FB05_03172022	03/18/22
BC22453-BLK1	Blank	03/18/22
BC22453-BLK2	Blank	03/18/22
BC22453-BS1	LCS	03/18/22
BC22453-BS2	LCS	03/18/22
BC22453-BSD1	LCS Dup	03/18/22
BC22453-BSD2	LCS Dup	03/18/22

Batch ID: BC22454 **Preparation Method:** EPA 3550C/8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22454-BLK1	Blank	03/18/22
BC22454-BS1	LCS	03/18/22
BC22454-MS1	Matrix Spike	03/18/22
BC22454-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22457 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22457-BLK1	Blank	03/18/22
BC22457-BS1	LCS	03/18/22
BC22457-MS1	Matrix Spike	03/18/22
BC22457-MS2	Matrix Spike	03/18/22
BC22457-MSD1	Matrix Spike Dup	03/18/22
BC22457-MSD2	Matrix Spike Dup	03/18/22

Batch ID: BC22458 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22458-BLK1	Blank	03/18/22
BC22458-BS1	LCS	03/18/22
BC22458-MS1	Matrix Spike	03/18/22
BC22458-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22459 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22459-BLK1	Blank	03/18/22
BC22459-DUP1	Duplicate	03/18/22
BC22459-MS1	Matrix Spike	03/18/22
BC22459-SRM1	Reference	03/18/22

Batch ID: BC22488 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-05	FB01_PFAS_03172022	03/18/22
BC22488-BLK1	Blank	03/18/22
BC22488-BS1	LCS	03/18/22
BC22488-MS1	Matrix Spike	03/18/22
BC22488-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22489 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22489-BLK1	Blank	03/18/22
BC22489-BS1	LCS	03/18/22
BC22489-MS1	Matrix Spike	03/18/22
BC22489-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22491 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
BC22491-BLK1	Blank	03/18/22
BC22491-BLK2	Blank	03/18/22

BC22491-BS1	LCS	03/18/22
BC22491-BSD1	LCS Dup	03/18/22
BC22491-MS1	Matrix Spike	03/18/22
BC22491-MSD1	Matrix Spike Dup	03/18/22

Batch ID: BC22496 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22496-BLK1	Blank	03/18/22
BC22496-BLK2	Blank	03/18/22
BC22496-BS1	LCS	03/18/22
BC22496-BS2	LCS	03/18/22
BC22496-MS2	Matrix Spike	03/18/22
BC22496-MSD2	Matrix Spike Dup	03/18/22

Batch ID: BC22519 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22519-BLK1	Blank	03/18/22
BC22519-DUP1	Duplicate	03/18/22
BC22519-MS1	Matrix Spike	03/18/22
BC22519-PS1	Post Spike	03/18/22
BC22519-SRM1	Reference	03/18/22

Batch ID: BC22523 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/18/22
BC22523-BLK1	Blank	03/18/22
BC22523-BS1	LCS	03/18/22
BC22523-BS2	LCS	03/18/22

Batch ID: BC22533 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/18/22
22C0991-02	EP05_0.5	03/18/22
22C0991-03	DUP05_03172022	03/18/22
BC22533-BLK1	Blank	03/18/22
BC22533-DUP1	Duplicate	03/18/22

BC22533-MS1	Matrix Spike	03/18/22
BC22533-SRM1	Reference	03/18/22

Batch ID: BC22544 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22544-BLK1	Blank	03/21/22
BC22544-BS1	LCS	03/21/22
BC22544-BSD1	LCS Dup	03/21/22

Batch ID: BC22545 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22545-BLK1	Blank	03/21/22
BC22545-BLK2	Blank	03/21/22
BC22545-BS1	LCS	03/21/22
BC22545-BS2	LCS	03/21/22
BC22545-BSD1	LCS Dup	03/21/22

Batch ID: BC22551 **Preparation Method:** Analysis Preparation **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22551-BLK1	Blank	03/21/22
BC22551-BS1	LCS	03/21/22
BC22551-DUP1	Duplicate	03/21/22
BC22551-MS1	Matrix Spike	03/21/22

Batch ID: BC22559 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22559-BLK1	Blank	03/21/22
BC22559-BS1	LCS	03/21/22
BC22559-MS1	Matrix Spike	03/21/22
BC22559-MSD1	Matrix Spike Dup	03/21/22

Batch ID: BC22561 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/21/22
22C0991-02	EP05_0.5	03/21/22
22C0991-03	DUP05_03172022	03/21/22
BC22561-BLK1	Blank	03/21/22
BC22561-DUP1	Duplicate	03/21/22
BC22561-DUP2	Duplicate	03/21/22

BC22561-MS1	Matrix Spike	03/21/22
BC22561-MS2	Matrix Spike	03/21/22
BC22561-SRM1	Reference	03/21/22

Batch ID: BC22568 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22568-BLK1	Blank	03/21/22
BC22568-BS1	LCS	03/21/22
BC22568-DUP1	Duplicate	03/21/22
BC22568-MS1	Matrix Spike	03/21/22

Batch ID: BC22569 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22
BC22569-BLK1	Blank	03/21/22
BC22569-BS1	LCS	03/21/22
BC22569-DUP1	Duplicate	03/21/22
BC22569-MS1	Matrix Spike	03/21/22

Batch ID: BC22579 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-03	DUP05_03172022	03/21/22
BC22579-BLK1	Blank	03/21/22
BC22579-BLK2	Blank	03/21/22
BC22579-BLK3	Blank	03/21/22
BC22579-BS1	LCS	03/21/22
BC22579-BSD1	LCS Dup	03/21/22

Batch ID: BC22588 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-06	TB05_03172022	03/21/22
BC22588-BLK1	Blank	03/21/22
BC22588-BS1	LCS	03/21/22
BC22588-BSD1	LCS Dup	03/21/22

Batch ID: BC22590 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/21/22
22C0991-02	EP05_0.5	03/21/22
22C0991-03	DUP05_03172022	03/21/22
BC22590-DUP1	Duplicate	03/21/22

Batch ID: BC22623 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-01	EP14_0.5	03/21/22
22C0991-02	EP05_0.5	03/21/22
22C0991-03	DUP05_03172022	03/21/22

Batch ID: BC22624 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/21/22

Batch ID: BC22848 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0991-04	FB05_03172022	03/24/22
BC22848-BLK1	Blank	03/24/22
BC22848-BS1	LCS	03/24/22
BC22848-BSD1	LCS Dup	03/24/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Blank (BC22491-BLK1) Blank									Prepared & Analyzed: 03/18/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Blank (BC22491-BLK1) Blank								Prepared & Analyzed: 03/18/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.7*		*"*	*50.0*		*109*	*76-130*				
Blank (BC22491-BLK2) MeOH Blank								Prepared & Analyzed: 03/18/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Blank (BC22491-BLK2) MeOH Blank									Prepared & Analyzed: 03/18/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.7*		*ug/L*	*50.0*		*97.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
LCS (BC22491-BS1) LCS							Prepared & Analyzed: 03/18/2022				
1,1,1,2-Tetrachloroethane	47.2		ug/L	50.0		94.4	75-129				
1,1,1-Trichloroethane	44.2		"	50.0		88.3	71-137				
1,1,2,2-Tetrachloroethane	50.2		"	50.0		100	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.9		"	50.0		79.8	58-146				
1,1,2-Trichloroethane	46.8		"	50.0		93.5	83-123				
1,1-Dichloroethane	43.8		"	50.0		87.6	75-130				
1,1-Dichloroethylene	39.6		"	50.0		79.3	64-137				
1,2,3-Trichlorobenzene	47.3		"	50.0		94.6	81-140				
1,2,3-Trichloropropane	47.9		"	50.0		95.8	81-126				
1,2,4-Trichlorobenzene	48.1		"	50.0		96.2	80-141				
1,2,4-Trimethylbenzene	49.9		"	50.0		99.8	84-125				
1,2-Dibromo-3-chloropropane	50.8		"	50.0		102	74-142				
1,2-Dibromoethane	47.5		"	50.0		94.9	86-123				
1,2-Dichlorobenzene	49.1		"	50.0		98.2	85-122				
1,2-Dichloroethane	45.4		"	50.0		90.8	71-133				
1,2-Dichloropropane	48.8		"	50.0		97.5	81-122				
1,3,5-Trimethylbenzene	48.6		"	50.0		97.3	82-126				
1,3-Dichlorobenzene	49.1		"	50.0		98.3	84-124				
1,4-Dichlorobenzene	48.4		"	50.0		96.8	84-124				
1,4-Dioxane	982		"	1050		93.5	10-228				
2-Butanone	40.4		"	50.0		80.9	58-147				
2-Hexanone	48.5		"	50.0		97.0	70-139				
4-Methyl-2-pentanone	36.8		"	50.0		73.5	72-132				
Acetone	33.0		"	50.0		66.0	36-155				
Acrolein	33.2		"	50.0		66.4	10-238				
Acrylonitrile	43.2		"	50.0		86.3	66-141				
Benzene	44.6		"	50.0		89.1	77-127				
Bromochloromethane	45.3		"	50.0		90.6	74-129				
Bromodichloromethane	46.9		"	50.0		93.8	81-124				
Bromoform	47.6		"	50.0		95.2	80-136				
Bromomethane	36.8		"	50.0		73.5	32-177				
Carbon disulfide	39.0		"	50.0		77.9	10-136				
Carbon tetrachloride	44.2		"	50.0		88.5	66-143				
Chlorobenzene	49.3		"	50.0		98.5	86-120				
Chloroethane	40.8		"	50.0		81.6	51-142				
Chloroform	44.9		"	50.0		89.8	76-131				
Chloromethane	30.4		"	50.0		60.7	49-132				
cis-1,2-Dichloroethylene	43.6		"	50.0		87.1	74-132				
cis-1,3-Dichloropropylene	47.1		"	50.0		94.1	81-129				
Cyclohexane	41.5		"	50.0		83.1	70-130				
Dibromochloromethane	47.4		"	50.0		94.8	10-200				
Dibromomethane	45.5		"	50.0		91.1	83-124				
Dichlorodifluoromethane	15.7		"	50.0		31.4	28-158				
Ethyl Benzene	47.9		"	50.0		95.8	84-125				
Hexachlorobutadiene	48.6		"	50.0		97.2	83-133				
Isopropylbenzene	50.9		"	50.0		102	81-127				
Methyl acetate	40.9		"	50.0		81.8	41-143				
Methyl tert-butyl ether (MTBE)	44.2		"	50.0		88.5	74-131				
Methylcyclohexane	43.3		"	50.0		86.7	70-130				
Methylene chloride	44.4		"	50.0		88.8	57-141				
n-Butylbenzene	49.5		"	50.0		99.0	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
LCS (BC22491-BS1) LCS								Prepared & Analyzed: 03/18/2022			
n-Propylbenzene	49.4		ug/L	50.0		98.8	74-136				
o-Xylene	48.6		"	50.0		97.3	83-123				
p- & m- Xylenes	97.2		"	100		97.2	82-128				
p-Isopropyltoluene	50.3		"	50.0		101	85-125				
sec-Butylbenzene	49.6		"	50.0		99.1	83-125				
Styrene	47.0		"	50.0		94.1	86-126				
tert-Butyl alcohol (TBA)	271		"	250		108	70-130				
tert-Butylbenzene	43.3		"	50.0		86.7	80-127				
Tetrachloroethylene	41.8		"	50.0		83.6	80-129				
Toluene	46.4		"	50.0		92.7	85-121				
trans-1,2-Dichloroethylene	42.9		"	50.0		85.9	72-132				
trans-1,3-Dichloropropylene	48.9		"	50.0		97.8	78-132				
Trichloroethylene	45.9		"	50.0		91.8	84-123				
Trichlorofluoromethane	39.5		"	50.0		78.9	62-140				
Vinyl Chloride	32.5		"	50.0		65.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.0*		*"*	*50.0*		*96.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				
LCS Dup (BC22491-BSD1) LCS Dup								Prepared & Analyzed: 03/18/2022			
1,1,1,2-Tetrachloroethane	48.8		ug/L	50.0		97.6	75-129		3.31	30	
1,1,1-Trichloroethane	45.9		"	50.0		91.8	71-137		3.82	30	
1,1,2,2-Tetrachloroethane	51.5		"	50.0		103	79-129		2.71	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.7		"	50.0		83.3	58-146		4.27	30	
1,1,2-Trichloroethane	47.2		"	50.0		94.5	83-123		1.04	30	
1,1-Dichloroethane	45.6		"	50.0		91.2	75-130		4.03	30	
1,1-Dichloroethylene	40.2		"	50.0		80.4	64-137		1.38	30	
1,2,3-Trichlorobenzene	48.0		"	50.0		95.9	81-140		1.43	30	
1,2,3-Trichloropropane	49.5		"	50.0		99.0	81-126		3.29	30	
1,2,4-Trichlorobenzene	48.6		"	50.0		97.3	80-141		1.12	30	
1,2,4-Trimethylbenzene	51.4		"	50.0		103	84-125		3.00	30	
1,2-Dibromo-3-chloropropane	52.3		"	50.0		105	74-142		2.93	30	
1,2-Dibromoethane	48.8		"	50.0		97.7	86-123		2.85	30	
1,2-Dichlorobenzene	50.9		"	50.0		102	85-122		3.64	30	
1,2-Dichloroethane	47.8		"	50.0		95.5	71-133		5.07	30	
1,2-Dichloropropane	50.4		"	50.0		101	81-122		3.33	30	
1,3,5-Trimethylbenzene	50.1		"	50.0		100	82-126		2.88	30	
1,3-Dichlorobenzene	49.8		"	50.0		99.6	84-124		1.39	30	
1,4-Dichlorobenzene	49.4		"	50.0		98.8	84-124		2.00	30	
1,4-Dioxane	1010		"	1050		96.1	10-228		2.75	30	
2-Butanone	43.0		"	50.0		86.0	58-147		6.21	30	
2-Hexanone	49.3		"	50.0		98.5	70-139		1.58	30	
4-Methyl-2-pentanone	38.0		"	50.0		76.0	72-132		3.34	30	
Acetone	33.5		"	50.0		67.1	36-155		1.62	30	
Acrolein	33.5		"	50.0		67.1	10-238		0.989	30	
Acrylonitrile	45.3		"	50.0		90.7	66-141		4.88	30	
Benzene	46.3		"	50.0		92.7	77-127		3.87	30	
Bromochloromethane	47.4		"	50.0		94.7	74-129		4.45	30	
Bromodichloromethane	49.2		"	50.0		98.4	81-124		4.81	30	
Bromoform	49.8		"	50.0		99.6	80-136		4.56	30	
Bromomethane	39.0		"	50.0		78.0	32-177		5.86	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
LCS Dup (BC22491-BSD1) LCS Dup								Prepared & Analyzed: 03/18/2022			
Carbon disulfide	40.1		ug/L	50.0		80.2	10-136		2.91	30	
Carbon tetrachloride	46.4		"	50.0		92.8	66-143		4.70	30	
Chlorobenzene	50.6		"	50.0		101	86-120		2.76	30	
Chloroethane	43.0		"	50.0		86.1	51-142		5.39	30	
Chloroform	46.5		"	50.0		92.9	76-131		3.46	30	
Chloromethane	31.8		"	50.0		63.7	49-132		4.69	30	
cis-1,2-Dichloroethylene	45.8		"	50.0		91.6	74-132		5.04	30	
cis-1,3-Dichloropropylene	48.6		"	50.0		97.3	81-129		3.30	30	
Cyclohexane	42.8		"	50.0		85.7	70-130		3.10	30	
Dibromochloromethane	49.0		"	50.0		98.1	10-200		3.44	30	
Dibromomethane	47.9		"	50.0		95.7	83-124		4.99	30	
Dichlorodifluoromethane	16.2		"	50.0		32.4	28-158		3.39	30	
Ethyl Benzene	49.1		"	50.0		98.3	84-125		2.51	30	
Hexachlorobutadiene	50.1		"	50.0		100	83-133		3.02	30	
Isopropylbenzene	51.8		"	50.0		104	81-127		1.79	30	
Methyl acetate	42.6		"	50.0		85.2	41-143		4.10	30	
Methyl tert-butyl ether (MTBE)	46.8		"	50.0		93.6	74-131		5.58	30	
Methylcyclohexane	44.8		"	50.0		89.5	70-130		3.22	30	
Methylene chloride	45.6		"	50.0		91.3	57-141		2.75	30	
n-Butylbenzene	49.0		"	50.0		98.0	80-130		0.954	30	
n-Propylbenzene	50.3		"	50.0		101	74-136		1.87	30	
o-Xylene	49.9		"	50.0		99.7	83-123		2.50	30	
p- & m- Xylenes	99.5		"	100		99.5	82-128		2.37	30	
p-Isopropyltoluene	51.1		"	50.0		102	85-125		1.62	30	
sec-Butylbenzene	50.8		"	50.0		102	83-125		2.49	30	
Styrene	48.4		"	50.0		96.7	86-126		2.81	30	
tert-Butyl alcohol (TBA)	275		"	250		110	70-130		1.75	30	
tert-Butylbenzene	44.7		"	50.0		89.4	80-127		3.09	30	
Tetrachloroethylene	41.5		"	50.0		83.0	80-129		0.648	30	
Toluene	48.1		"	50.0		96.2	85-121		3.66	30	
trans-1,2-Dichloroethylene	44.4		"	50.0		88.8	72-132		3.37	30	
trans-1,3-Dichloropropylene	50.2		"	50.0		100	78-132		2.62	30	
Trichloroethylene	47.4		"	50.0		94.8	84-123		3.17	30	
Trichlorofluoromethane	41.7		"	50.0		83.4	62-140		5.50	30	
Vinyl Chloride	33.9		"	50.0		67.8	52-130		4.09	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.7*		*"*	*50.0*		*97.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Matrix Spike (BC22491-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/18/2022			
1,1,1,2-Tetrachloroethane	34.8		ug/L	50.0	0.00	69.5	15-161				
1,1,1-Trichloroethane	34.1		"	50.0	0.00	68.2	42-145				
1,1,2,2-Tetrachloroethane	37.6		"	50.0	0.00	75.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	31.3		"	50.0	0.00	62.6	11-160				
1,1,2-Trichloroethane	36.3		"	50.0	0.00	72.7	44-145				
1,1-Dichloroethane	33.8		"	50.0	0.00	67.5	46-142				
1,1-Dichloroethylene	30.2		"	50.0	0.00	60.4	30-153				
1,2,3-Trichlorobenzene	31.3		"	50.0	0.00	62.5	10-157				
1,2,3-Trichloropropane	38.4		"	50.0	0.00	76.7	38-155				
1,2,4-Trichlorobenzene	30.9		"	50.0	0.00	61.8	10-151				
1,2,4-Trimethylbenzene	35.6		"	50.0	0.00	71.1	10-170				
1,2-Dibromo-3-chloropropane	36.9		"	50.0	0.00	73.8	36-138				
1,2-Dibromoethane	36.6		"	50.0	0.00	73.1	40-142				
1,2-Dichlorobenzene	34.7		"	50.0	0.00	69.5	10-147				
1,2-Dichloroethane	36.4		"	50.0	0.00	72.8	48-133				
1,2-Dichloropropane	37.1		"	50.0	0.00	74.1	47-141				
1,3,5-Trimethylbenzene	34.6		"	50.0	0.00	69.2	10-150				
1,3-Dichlorobenzene	34.0		"	50.0	0.00	68.0	10-144				
1,4-Dichlorobenzene	34.0		"	50.0	0.00	68.0	10-160				
1,4-Dioxane	788		"	1050	0.00	75.0	10-191				
2-Butanone	33.7		"	50.0	0.00	67.3	10-189				
2-Hexanone	37.6		"	50.0	0.00	75.3	10-181				
4-Methyl-2-pentanone	29.3		"	50.0	0.00	58.6	10-166				
Acetone	31.2		"	50.0	2.72	57.0	10-196				
Acrolein	15.4		"	50.0	0.00	30.8	10-192				
Acrylonitrile	33.9		"	50.0	0.00	67.8	13-161				
Benzene	34.5		"	50.0	0.00	68.9	43-139				
Bromochloromethane	35.2		"	50.0	0.00	70.4	38-145				
Bromodichloromethane	35.8		"	50.0	0.00	71.5	38-147				
Bromoform	35.9		"	50.0	0.00	71.8	29-156				
Bromomethane	27.7		"	50.0	0.00	55.5	10-166				
Carbon disulfide	29.1		"	50.0	0.00	58.2	10-131				
Carbon tetrachloride	32.9		"	50.0	0.00	65.7	35-145				
Chlorobenzene	36.3		"	50.0	0.00	72.6	21-154				
Chloroethane	30.1		"	50.0	0.00	60.1	15-160				
Chloroform	34.9		"	50.0	0.00	69.8	47-142				
Chloromethane	21.3		"	50.0	0.00	42.5	10-159				
cis-1,2-Dichloroethylene	34.3		"	50.0	0.00	68.6	42-144				
cis-1,3-Dichloropropylene	34.9		"	50.0	0.00	69.7	18-159				
Cyclohexane	31.5		"	50.0	0.00	63.1	70-130	Low Bias			
Dibromochloromethane	35.5		"	50.0	0.00	71.0	10-179				
Dibromomethane	35.0		"	50.0	0.00	70.1	47-143				
Dichlorodifluoromethane	11.4		"	50.0	0.00	22.9	10-145				
Ethyl Benzene	35.4		"	50.0	0.00	70.7	11-158				
Hexachlorobutadiene	30.6		"	50.0	0.00	61.2	10-158				
Isopropylbenzene	36.8		"	50.0	0.00	73.5	10-162				
Methyl acetate	35.3		"	50.0	0.00	70.7	10-149				
Methyl tert-butyl ether (MTBE)	35.6		"	50.0	0.00	71.2	42-152				
Methylcyclohexane	31.2		"	50.0	0.00	62.3	70-130	Low Bias			
Methylene chloride	40.1		"	50.0	3.05	74.2	28-151				
n-Butylbenzene	32.6		"	50.0	0.00	65.2	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Matrix Spike (BC22491-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022		
n-Propylbenzene	35.6		ug/L	50.0	0.00	71.1	10-155				
o-Xylene	36.0		"	50.0	0.00	72.0	10-158				
p- & m- Xylenes	70.8		"	100	0.00	70.8	10-156				
p-Isopropyltoluene	34.7		"	50.0	0.00	69.4	10-147				
sec-Butylbenzene	35.2		"	50.0	0.00	70.3	10-157				
Styrene	34.0		"	50.0	0.00	68.0	13-171				
tert-Butyl alcohol (TBA)	213		"	250	0.00	85.3	34-179				
tert-Butylbenzene	31.5		"	50.0	0.00	62.9	10-160				
Tetrachloroethylene	29.8		"	50.0	0.00	59.6	30-167				
Toluene	34.7		"	50.0	0.00	69.3	21-160				
trans-1,2-Dichloroethylene	32.7		"	50.0	0.00	65.4	29-153				
trans-1,3-Dichloropropylene	35.5		"	50.0	0.00	71.0	18-155				
Trichloroethylene	34.8		"	50.0	0.00	69.6	24-169				
Trichlorofluoromethane	29.8		"	50.0	0.00	59.7	35-142				
Vinyl Chloride	24.8		"	50.0	0.00	49.5	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.9*		*"*	*50.0*		*99.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
Matrix Spike Dup (BC22491-! Matrix Spike Dup	*Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022		
1,1,1,2-Tetrachloroethane	33.6		ug/L	50.0	0.00	67.1	15-161		3.48	33	
1,1,1-Trichloroethane	31.6		"	50.0	0.00	63.1	42-145		7.65	30	
1,1,2,2-Tetrachloroethane	37.4		"	50.0	0.00	74.9	16-167		0.427	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	29.1		"	50.0	0.00	58.3	11-160		7.21	31	
1,1,2-Trichloroethane	35.1		"	50.0	0.00	70.1	44-145		3.53	40	
1,1-Dichloroethane	32.5		"	50.0	0.00	64.9	46-142		3.90	36	
1,1-Dichloroethylene	29.5		"	50.0	0.00	58.9	30-153		2.51	31	
1,2,3-Trichlorobenzene	30.2		"	50.0	0.00	60.3	10-157		3.65	47	
1,2,3-Trichloropropane	37.2		"	50.0	0.00	74.4	38-155		3.12	48	
1,2,4-Trichlorobenzene	30.0		"	50.0	0.00	60.0	10-151		2.89	52	
1,2,4-Trimethylbenzene	34.8		"	50.0	0.00	69.6	10-170		2.13	242	
1,2-Dibromo-3-chloropropane	36.5		"	50.0	0.00	72.9	36-138		1.12	54	
1,2-Dibromoethane	35.7		"	50.0	0.00	71.4	40-142		2.35	39	
1,2-Dichlorobenzene	33.8		"	50.0	0.00	67.6	10-147		2.68	52	
1,2-Dichloroethane	33.2		"	50.0	0.00	66.5	48-133		9.10	32	
1,2-Dichloropropane	36.4		"	50.0	0.00	72.8	47-141		1.77	37	
1,3,5-Trimethylbenzene	34.2		"	50.0	0.00	68.4	10-150		1.22	62	
1,3-Dichlorobenzene	33.1		"	50.0	0.00	66.2	10-144		2.59	51	
1,4-Dichlorobenzene	32.9		"	50.0	0.00	65.7	10-160		3.32	52	
1,4-Dioxane	779		"	1050	0.00	74.2	10-191		1.07	196	
2-Butanone	34.5		"	50.0	0.00	68.9	10-189		2.32	67	
2-Hexanone	37.2		"	50.0	0.00	74.4	10-181		1.15	60	
4-Methyl-2-pentanone	28.9		"	50.0	0.00	57.8	10-166		1.34	47	
Acetone	32.0		"	50.0	2.72	58.6	10-196		2.53	150	
Acrolein	13.7		"	50.0	0.00	27.4	10-192		11.9	128	
Acrylonitrile	32.4		"	50.0	0.00	64.9	13-161		4.49	48	
Benzene	33.2		"	50.0	0.00	66.4	43-139		3.81	64	
Bromochloromethane	33.8		"	50.0	0.00	67.6	38-145		4.11	30	
Bromodichloromethane	34.3		"	50.0	0.00	68.5	38-147		4.23	37	
Bromoform	34.3		"	50.0	0.00	68.6	29-156		4.56	51	
Bromomethane	24.3		"	50.0	0.00	48.6	10-166		13.2	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22491 - EPA 5035A											
Matrix Spike Dup (BC22491-M Matrix Spike Dup *Source sample: 22C0991-01 (EP14_0.5)									Prepared & Analyzed: 03/18/2022		
Carbon disulfide	27.5		ug/L	50.0	0.00	55.0	10-131		5.69	36	
Carbon tetrachloride	31.3		"	50.0	0.00	62.6	35-145		4.83	31	
Chlorobenzene	35.2		"	50.0	0.00	70.5	21-154		2.96	32	
Chloroethane	24.0		"	50.0	0.00	47.9	15-160		22.6	40	
Chloroform	33.5		"	50.0	0.00	67.0	47-142		4.09	29	
Chloromethane	18.6		"	50.0	0.00	37.3	10-159		13.1	31	
cis-1,2-Dichloroethylene	32.4		"	50.0	0.00	64.8	42-144		5.76	30	
cis-1,3-Dichloropropylene	33.1		"	50.0	0.00	66.2	18-159		5.21	39	
Cyclohexane	30.1		"	50.0	0.00	60.2	70-130	Low Bias	4.64	30	
Dibromochloromethane	33.6		"	50.0	0.00	67.3	10-179		5.38	41	
Dibromomethane	33.3		"	50.0	0.00	66.6	47-143		5.03	41	
Dichlorodifluoromethane	9.98		"	50.0	0.00	20.0	10-145		13.6	34	
Ethyl Benzene	34.4		"	50.0	0.00	68.8	11-158		2.69	42	
Hexachlorobutadiene	30.1		"	50.0	0.00	60.1	10-158		1.71	45	
Isopropylbenzene	36.3		"	50.0	0.00	72.7	10-162		1.18	57	
Methyl acetate	35.7		"	50.0	0.00	71.5	10-149		1.13	64	
Methyl tert-butyl ether (MTBE)	34.4		"	50.0	0.00	68.8	42-152		3.43	47	
Methylcyclohexane	30.3		"	50.0	0.00	60.6	70-130	Low Bias	2.76	30	
Methylene chloride	37.9		"	50.0	3.05	69.7	28-151		5.69	49	
n-Butylbenzene	31.5		"	50.0	0.00	63.0	10-162		3.56	96	
n-Propylbenzene	35.0		"	50.0	0.00	69.9	10-155		1.70	56	
o-Xylene	34.9		"	50.0	0.00	69.9	10-158		2.99	51	
p- & m- Xylenes	69.4		"	100	0.00	69.4	10-156		2.07	47	
p-Isopropyltoluene	34.1		"	50.0	0.00	68.3	10-147		1.66	60	
sec-Butylbenzene	34.6		"	50.0	0.00	69.2	10-157		1.58	56	
Styrene	33.0		"	50.0	0.00	66.0	13-171		2.93	39	
tert-Butyl alcohol (TBA)	217		"	250	0.00	86.9	34-179		1.84	35	
tert-Butylbenzene	30.8		"	50.0	0.00	61.7	10-160		2.02	79	
Tetrachloroethylene	28.6		"	50.0	0.00	57.3	30-167		3.90	33	
Toluene	34.0		"	50.0	0.00	67.9	21-160		2.07	50	
trans-1,2-Dichloroethylene	31.4		"	50.0	0.00	62.7	29-153		4.22	30	
trans-1,3-Dichloropropylene	33.5		"	50.0	0.00	67.1	18-155		5.71	30	
Trichloroethylene	33.8		"	50.0	0.00	67.5	24-169		3.01	30	
Trichlorofluoromethane	27.0		"	50.0	0.00	53.9	35-142		10.1	30	
Vinyl Chloride	22.3		"	50.0	0.00	44.6	12-160		10.4	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
Blank (BC22579-BLK1) Blank									Prepared & Analyzed: 03/21/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
Blank (BC22579-BLK1) Blank								Prepared & Analyzed: 03/21/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*ug/L*	*50.0*		*99.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.7*		*"*	*50.0*		*109*	*76-130*				
Blank (BC22579-BLK2) MeOH Blank								Prepared & Analyzed: 03/21/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
Blank (BC22579-BLK2) MeOH Blank									Prepared & Analyzed: 03/21/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22579 - EPA 5035A

Blank (BC22579-BLK3) HB22C0991 — Prepared & Analyzed: 03/21/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
Blank (BC22579-BLK3) HB22C0991								Prepared & Analyzed: 03/21/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*ug/L*	*50.0*		*99.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				
LCS (BC22579-BS1) LCS								Prepared & Analyzed: 03/21/2022			
1,1,1,2-Tetrachloroethane	48.0		ug/L	50.0		96.0	75-129				
1,1,1-Trichloroethane	48.8		"	50.0		97.7	71-137				
1,1,2,2-Tetrachloroethane	50.0		"	50.0		100	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.9		"	50.0		99.9	58-146				
1,1,2-Trichloroethane	47.0		"	50.0		94.0	83-123				
1,1-Dichloroethane	48.0		"	50.0		95.9	75-130				
1,1-Dichloroethylene	47.6		"	50.0		95.2	64-137				
1,2,3-Trichlorobenzene	48.4		"	50.0		96.8	81-140				
1,2,3-Trichloropropane	47.6		"	50.0		95.3	81-126				
1,2,4-Trichlorobenzene	50.1		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	51.6		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	50.5		"	50.0		101	74-142				
1,2-Dibromoethane	47.8		"	50.0		95.7	86-123				
1,2-Dichlorobenzene	48.5		"	50.0		97.1	85-122				
1,2-Dichloroethane	47.2		"	50.0		94.4	71-133				
1,2-Dichloropropane	50.4		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	50.2		"	50.0		100	82-126				
1,3-Dichlorobenzene	49.8		"	50.0		99.5	84-124				
1,4-Dichlorobenzene	48.7		"	50.0		97.5	84-124				
1,4-Dioxane	919		"	1050		87.5	10-228				
2-Butanone	43.9		"	50.0		87.7	58-147				
2-Hexanone	46.6		"	50.0		93.3	70-139				
4-Methyl-2-pentanone	35.4		"	50.0		70.8	72-132	Low Bias			
Acetone	35.7		"	50.0		71.5	36-155				
Acrolein	31.6		"	50.0		63.2	10-238				
Acrylonitrile	45.2		"	50.0		90.5	66-141				
Benzene	48.0		"	50.0		96.1	77-127				
Bromochloromethane	48.3		"	50.0		96.6	74-129				
Bromodichloromethane	48.9		"	50.0		97.8	81-124				
Bromoform	48.9		"	50.0		97.8	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
LCS (BC22579-BS1) LCS							Prepared & Analyzed: 03/21/2022				
Bromomethane	48.0		ug/L	50.0		95.9	32-177				
Carbon disulfide	50.0		"	50.0		100	10-136				
Carbon tetrachloride	50.6		"	50.0		101	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	59.0		"	50.0		118	51-142				
Chloroform	47.4		"	50.0		94.9	76-131				
Chloromethane	52.6		"	50.0		105	49-132				
cis-1,2-Dichloroethylene	48.2		"	50.0		96.4	74-132				
cis-1,3-Dichloropropylene	49.2		"	50.0		98.3	81-129				
Cyclohexane	47.7		"	50.0		95.3	70-130				
Dibromochloromethane	48.6		"	50.0		97.2	10-200				
Dibromomethane	47.6		"	50.0		95.3	83-124				
Dichlorodifluoromethane	54.2		"	50.0		108	28-158				
Ethyl Benzene	49.2		"	50.0		98.4	84-125				
Hexachlorobutadiene	49.7		"	50.0		99.5	83-133				
Isopropylbenzene	52.9		"	50.0		106	81-127				
Methyl acetate	41.5		"	50.0		83.1	41-143				
Methyl tert-butyl ether (MTBE)	48.0		"	50.0		95.9	74-131				
Methylcyclohexane	48.3		"	50.0		96.5	70-130				
Methylene chloride	48.1		"	50.0		96.1	57-141				
n-Butylbenzene	49.5		"	50.0		98.9	80-130				
n-Propylbenzene	50.8		"	50.0		102	74-136				
o-Xylene	49.7		"	50.0		99.4	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Isopropyltoluene	51.7		"	50.0		103	85-125				
sec-Butylbenzene	50.8		"	50.0		102	83-125				
Styrene	47.5		"	50.0		95.1	86-126				
tert-Butyl alcohol (TBA)	264		"	250		106	70-130				
tert-Butylbenzene	44.4		"	50.0		88.9	80-127				
Tetrachloroethylene	42.5		"	50.0		85.0	80-129				
Toluene	48.6		"	50.0		97.1	85-121				
trans-1,2-Dichloroethylene	48.8		"	50.0		97.7	72-132				
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132				
Trichloroethylene	49.4		"	50.0		98.7	84-123				
Trichlorofluoromethane	52.6		"	50.0		105	62-140				
Vinyl Chloride	52.9		"	50.0		106	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.9*		*"*	*50.0*		*95.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
LCS Dup (BC22579-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
1,1,1,2-Tetrachloroethane	43.4		ug/L	50.0		86.7	75-129		10.2	30	
1,1,1-Trichloroethane	44.8		"	50.0		89.5	71-137		8.74	30	
1,1,2,2-Tetrachloroethane	44.6		"	50.0		89.3	79-129		11.4	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.4	58-146		9.99	30	
1,1,2-Trichloroethane	42.3		"	50.0		84.6	83-123		10.5	30	
1,1-Dichloroethane	43.5		"	50.0		87.1	75-130		9.68	30	
1,1-Dichloroethylene	43.7		"	50.0		87.4	64-137		8.48	30	
1,2,3-Trichlorobenzene	43.6		"	50.0		87.2	81-140		10.4	30	
1,2,3-Trichloropropane	43.6		"	50.0		87.2	81-126		8.83	30	
1,2,4-Trichlorobenzene	45.2		"	50.0		90.5	80-141		10.2	30	
1,2,4-Trimethylbenzene	46.7		"	50.0		93.4	84-125		9.98	30	
1,2-Dibromo-3-chloropropane	46.8		"	50.0		93.6	74-142		7.59	30	
1,2-Dibromoethane	42.7		"	50.0		85.5	86-123	Low Bias	11.2	30	
1,2-Dichlorobenzene	44.7		"	50.0		89.4	85-122		8.22	30	
1,2-Dichloroethane	42.6		"	50.0		85.3	71-133		10.2	30	
1,2-Dichloropropane	45.7		"	50.0		91.5	81-122		9.73	30	
1,3,5-Trimethylbenzene	45.5		"	50.0		91.1	82-126		9.66	30	
1,3-Dichlorobenzene	45.4		"	50.0		90.9	84-124		9.07	30	
1,4-Dichlorobenzene	45.1		"	50.0		90.2	84-124		7.74	30	
1,4-Dioxane	916		"	1050		87.3	10-228		0.253	30	
2-Butanone	42.2		"	50.0		84.4	58-147		3.86	30	
2-Hexanone	43.6		"	50.0		87.3	70-139		6.64	30	
4-Methyl-2-pentanone	33.0		"	50.0		66.0	72-132	Low Bias	7.02	30	
Acetone	34.5		"	50.0		69.0	36-155		3.53	30	
Acrolein	30.7		"	50.0		61.4	10-238		2.83	30	
Acrylonitrile	42.9		"	50.0		85.8	66-141		5.31	30	
Benzene	44.2		"	50.0		88.4	77-127		8.33	30	
Bromochloromethane	43.6		"	50.0		87.3	74-129		10.1	30	
Bromodichloromethane	44.3		"	50.0		88.6	81-124		9.91	30	
Bromoform	43.6		"	50.0		87.1	80-136		11.6	30	
Bromomethane	42.4		"	50.0		84.9	32-177		12.2	30	
Carbon disulfide	46.3		"	50.0		92.6	10-136		7.62	30	
Carbon tetrachloride	45.7		"	50.0		91.4	66-143		10.2	30	
Chlorobenzene	45.8		"	50.0		91.6	86-120		9.18	30	
Chloroethane	52.1		"	50.0		104	51-142		12.4	30	
Chloroform	43.5		"	50.0		87.1	76-131		8.55	30	
Chloromethane	48.1		"	50.0		96.2	49-132		8.84	30	
cis-1,2-Dichloroethylene	43.4		"	50.0		86.8	74-132		10.5	30	
cis-1,3-Dichloropropylene	44.5		"	50.0		89.1	81-129		9.88	30	
Cyclohexane	44.1		"	50.0		88.2	70-130		7.83	30	
Dibromochloromethane	42.6		"	50.0		85.3	10-200		13.0	30	
Dibromomethane	42.4		"	50.0		84.8	83-124		11.6	30	
Dichlorodifluoromethane	50.0		"	50.0		100	28-158		8.08	30	
Ethyl Benzene	44.7		"	50.0		89.5	84-125		9.50	30	
Hexachlorobutadiene	44.8		"	50.0		89.7	83-133		10.4	30	
Isopropylbenzene	47.4		"	50.0		94.7	81-127		11.1	30	
Methyl acetate	41.1		"	50.0		82.2	41-143		1.06	30	
Methyl tert-butyl ether (MTBE)	42.9		"	50.0		85.8	74-131		11.2	30	
Methylcyclohexane	44.1		"	50.0		88.3	70-130		8.94	30	
Methylene chloride	43.9		"	50.0		87.8	57-141		9.00	30	
n-Butylbenzene	46.2		"	50.0		92.4	80-130		6.82	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22579 - EPA 5035A											
LCS Dup (BC22579-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
n-Propylbenzene	46.4		ug/L	50.0		92.7	74-136		9.16	30	
o-Xylene	45.1		"	50.0		90.1	83-123		9.77	30	
p- & m- Xylenes	91.4		"	100		91.4	82-128		8.96	30	
p-Isopropyltoluene	47.0		"	50.0		93.9	85-125		9.57	30	
sec-Butylbenzene	46.7		"	50.0		93.5	83-125		8.23	30	
Styrene	43.0		"	50.0		86.1	86-126		9.94	30	
tert-Butyl alcohol (TBA)	256		"	250		102	70-130		3.31	30	
tert-Butylbenzene	40.6		"	50.0		81.1	80-127		9.13	30	
Tetrachloroethylene	39.2		"	50.0		78.5	80-129	Low Bias	7.97	30	
Toluene	44.5		"	50.0		89.0	85-121		8.70	30	
trans-1,2-Dichloroethylene	44.9		"	50.0		89.8	72-132		8.40	30	
trans-1,3-Dichloropropylene	44.9		"	50.0		89.9	78-132		13.1	30	
Trichloroethylene	45.1		"	50.0		90.1	84-123		9.11	30	
Trichlorofluoromethane	47.0		"	50.0		93.9	62-140		11.3	30	
Vinyl Chloride	49.0		"	50.0		98.0	52-130		7.71	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*76-130*				
Batch BC22588 - EPA 5030B											
Blank (BC22588-BLK1) Blank								Prepared & Analyzed: 03/21/2022			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22588 - EPA 5030B											
Blank (BC22588-BLK1) Blank									Prepared & Analyzed: 03/21/2022		
Bromoform	ND	0.500	ug/L								
Bromomethane	0.210	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	0.260	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22588 - EPA 5030B											
LCS (BC22588-BS1) LCS							Prepared & Analyzed: 03/21/2022				
1,1,1,2-Tetrachloroethane	9.50		ug/L	10.0		95.0	82-126				
1,1,1-Trichloroethane	9.22		"	10.0		92.2	78-136				
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.64		"	10.0		96.4	54-165				
1,1,2-Trichloroethane	8.77		"	10.0		87.7	82-123				
1,1-Dichloroethane	9.46		"	10.0		94.6	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	9.32		"	10.0		93.2	76-136				
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128				
1,2,4-Trichlorobenzene	9.63		"	10.0		96.3	76-137				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	9.47		"	10.0		94.7	45-147				
1,2-Dibromoethane	8.88		"	10.0		88.8	83-124				
1,2-Dichlorobenzene	11.0		"	10.0		110	79-123				
1,2-Dichloroethane	9.26		"	10.0		92.6	73-132				
1,2-Dichloropropane	11.3		"	10.0		113	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	229		"	210		109	10-349				
2-Butanone	8.04		"	10.0		80.4	49-152				
2-Hexanone	10.4		"	10.0		104	51-146				
4-Methyl-2-pentanone	10.5		"	10.0		105	57-145				
Acetone	9.20		"	10.0		92.0	14-150				
Acrolein	5.00		"	10.0		50.0	10-153				
Acrylonitrile	8.46		"	10.0		84.6	51-150				
Benzene	8.70		"	10.0		87.0	85-126				
Bromochloromethane	9.63		"	10.0		96.3	77-128				
Bromodichloromethane	9.85		"	10.0		98.5	79-128				
Bromoform	9.07		"	10.0		90.7	78-133				
Bromomethane	3.42		"	10.0		34.2	43-168	Low Bias			
Carbon disulfide	8.44		"	10.0		84.4	68-146				
Carbon tetrachloride	9.36		"	10.0		93.6	77-141				
Chlorobenzene	9.98		"	10.0		99.8	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	8.90		"	10.0		89.0	82-128				
Chloromethane	10.8		"	10.0		108	43-155				
cis-1,2-Dichloroethylene	9.38		"	10.0		93.8	83-129				
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	80-131				
Cyclohexane	7.59		"	10.0		75.9	63-149				
Dibromochloromethane	8.62		"	10.0		86.2	80-130				
Dibromomethane	9.39		"	10.0		93.9	72-134				
Dichlorodifluoromethane	19.2		"	10.0		192	44-144	High Bias			
Ethyl Benzene	11.1		"	10.0		111	80-131				
Hexachlorobutadiene	7.56		"	10.0		75.6	67-146				
Isopropylbenzene	12.3		"	10.0		123	76-140				
Methyl acetate	8.62		"	10.0		86.2	51-139				
Methyl tert-butyl ether (MTBE)	7.68		"	10.0		76.8	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	9.63		"	10.0		96.3	55-137				
n-Butylbenzene	10.4		"	10.0		104	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22588 - EPA 5030B											
LCS (BC22588-BS1) LCS								Prepared & Analyzed: 03/21/2022			
n-Propylbenzene	12.5		ug/L	10.0		125	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	19.0		"	20.0		95.2	77-133				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	10.8		"	10.0		108	79-137				
Styrene	9.44		"	10.0		94.4	67-132				
tert-Butyl alcohol (TBA)	45.1		"	50.0		90.1	25-162				
tert-Butylbenzene	9.07		"	10.0		90.7	77-138				
Tetrachloroethylene	9.75		"	10.0		97.5	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	9.61		"	10.0		96.1	80-132				
trans-1,3-Dichloropropylene	9.55		"	10.0		95.5	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	12.1		"	10.0		121	67-139				
Vinyl Chloride	15.1		"	10.0		151	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.63*		*"*	*10.0*		*96.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*11.3*		*"*	*10.0*		*113*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
LCS Dup (BC22588-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
1,1,1,2-Tetrachloroethane	9.66		ug/L	10.0		96.6	82-126		1.67	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		3.20	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		1.23	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.41		"	10.0		94.1	54-165		2.41	30	
1,1,2-Trichloroethane	8.95		"	10.0		89.5	82-123		2.03	30	
1,1-Dichloroethane	9.15		"	10.0		91.5	82-129		3.33	30	
1,1-Dichloroethylene	10.3		"	10.0		103	68-138		2.88	30	
1,2,3-Trichlorobenzene	9.52		"	10.0		95.2	76-136		2.12	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		2.54	30	
1,2,4-Trichlorobenzene	9.56		"	10.0		95.6	76-137		0.730	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		5.96	30	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147		5.84	30	
1,2-Dibromoethane	9.30		"	10.0		93.0	83-124		4.62	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123		3.15	30	
1,2-Dichloroethane	9.11		"	10.0		91.1	73-132		1.63	30	
1,2-Dichloropropane	11.2		"	10.0		112	78-126		0.798	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		6.90	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	86-122		4.22	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		4.17	30	
1,4-Dioxane	246		"	210		117	10-349		7.28	30	
2-Butanone	8.55		"	10.0		85.5	49-152		6.15	30	
2-Hexanone	11.3		"	10.0		113	51-146		7.65	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	57-145		7.99	30	
Acetone	9.81		"	10.0		98.1	14-150		6.42	30	
Acrolein	5.30		"	10.0		53.0	10-153		5.83	30	
Acrylonitrile	9.18		"	10.0		91.8	51-150		8.16	30	
Benzene	8.51		"	10.0		85.1	85-126		2.21	30	
Bromochloromethane	9.36		"	10.0		93.6	77-128		2.84	30	
Bromodichloromethane	9.87		"	10.0		98.7	79-128		0.203	30	
Bromoform	9.75		"	10.0		97.5	78-133		7.23	30	
Bromomethane	3.26		"	10.0		32.6	43-168	Low Bias	4.79	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22588 - EPA 5030B											
LCS Dup (BC22588-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
Carbon disulfide	7.88		ug/L	10.0		78.8	68-146		6.86	30	
Carbon tetrachloride	9.13		"	10.0		91.3	77-141		2.49	30	
Chlorobenzene	9.92		"	10.0		99.2	88-120		0.603	30	
Chloroethane	10.4		"	10.0		104	65-136		4.95	30	
Chloroform	8.68		"	10.0		86.8	82-128		2.50	30	
Chloromethane	10.5		"	10.0		105	43-155		2.34	30	
cis-1,2-Dichloroethylene	9.10		"	10.0		91.0	83-129		3.03	30	
cis-1,3-Dichloropropylene	9.71		"	10.0		97.1	80-131		0.309	30	
Cyclohexane	7.36		"	10.0		73.6	63-149		3.08	30	
Dibromochloromethane	8.84		"	10.0		88.4	80-130		2.52	30	
Dibromomethane	9.69		"	10.0		96.9	72-134		3.14	30	
Dichlorodifluoromethane	17.5		"	10.0		175	44-144	High Bias	9.17	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		2.91	30	
Hexachlorobutadiene	7.11		"	10.0		71.1	67-146		6.13	30	
Isopropylbenzene	11.3		"	10.0		113	76-140		8.46	30	
Methyl acetate	8.92		"	10.0		89.2	51-139		3.42	30	
Methyl tert-butyl ether (MTBE)	7.82		"	10.0		78.2	76-135		1.81	30	
Methylcyclohexane	10.5		"	10.0		105	72-143		2.07	30	
Methylene chloride	9.72		"	10.0		97.2	55-137		0.930	30	
n-Butylbenzene	9.04		"	10.0		90.4	79-132		13.7	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		9.59	30	
o-Xylene	10.5		"	10.0		105	78-130		1.42	30	
p- & m- Xylenes	18.5		"	20.0		92.4	77-133		2.93	30	
p-Isopropyltoluene	9.57		"	10.0		95.7	81-136		9.46	30	
sec-Butylbenzene	9.63		"	10.0		96.3	79-137		11.4	30	
Styrene	9.48		"	10.0		94.8	67-132		0.423	30	
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	25-162		10.6	30	
tert-Butylbenzene	8.28		"	10.0		82.8	77-138		9.11	30	
Tetrachloroethylene	9.69		"	10.0		96.9	82-131		0.617	30	
Toluene	10.2		"	10.0		102	80-127		1.84	30	
trans-1,2-Dichloroethylene	9.15		"	10.0		91.5	80-132		4.90	30	
trans-1,3-Dichloropropylene	9.67		"	10.0		96.7	78-131		1.25	30	
Trichloroethylene	9.85		"	10.0		98.5	82-128		2.31	30	
Trichlorofluoromethane	11.6		"	10.0		116	67-139		4.47	30	
Vinyl Chloride	13.8		"	10.0		138	58-145		8.88	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.79*		*"*	*10.0*		*97.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*11.3*		*"*	*10.0*		*113*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
Blank (BC22848-BLK1) Blank									Prepared & Analyzed: 03/24/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	1.13	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
Blank (BC22848-BLK1) Blank								Prepared & Analyzed: 03/24/2022			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BC22848-BS1) LCS								Prepared & Analyzed: 03/24/2022			
1,1,1,2-Tetrachloroethane	8.87		ug/L	10.0		88.7	82-126				
1,1,1-Trichloroethane	8.82		"	10.0		88.2	78-136				
1,1,2,2-Tetrachloroethane	8.60		"	10.0		86.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0		94.2	54-165				
1,1,2-Trichloroethane	8.14		"	10.0		81.4	82-123	Low Bias			
1,1-Dichloroethane	9.12		"	10.0		91.2	82-129				
1,1-Dichloroethylene	9.72		"	10.0		97.2	68-138				
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	76-136	Low Bias			
1,2,3-Trichloropropane	8.35		"	10.0		83.5	77-128				
1,2,4-Trichlorobenzene	8.07		"	10.0		80.7	76-137				
1,2,4-Trimethylbenzene	9.04		"	10.0		90.4	82-132				
1,2-Dibromo-3-chloropropane	6.41		"	10.0		64.1	45-147				
1,2-Dibromoethane	8.21		"	10.0		82.1	83-124	Low Bias			
1,2-Dichlorobenzene	9.10		"	10.0		91.0	79-123				
1,2-Dichloroethane	8.97		"	10.0		89.7	73-132				
1,2-Dichloropropane	9.75		"	10.0		97.5	78-126				
1,3,5-Trimethylbenzene	9.14		"	10.0		91.4	80-131				
1,3-Dichlorobenzene	8.77		"	10.0		87.7	86-122				
1,4-Dichlorobenzene	8.88		"	10.0		88.8	85-124				
1,4-Dioxane	187		"	210		89.0	10-349				
2-Butanone	8.55		"	10.0		85.5	49-152				
2-Hexanone	8.95		"	10.0		89.5	51-146				
4-Methyl-2-pentanone	8.90		"	10.0		89.0	57-145				
Acetone	8.25		"	10.0		82.5	14-150				
Acrolein	4.78		"	10.0		47.8	10-153				
Acrylonitrile	8.34		"	10.0		83.4	51-150				
Benzene	8.86		"	10.0		88.6	85-126				
Bromochloromethane	9.41		"	10.0		94.1	77-128				
Bromodichloromethane	8.58		"	10.0		85.8	79-128				
Bromoform	8.53		"	10.0		85.3	78-133				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
LCS (BC22848-BS1) LCS								Prepared & Analyzed: 03/24/2022			
Bromomethane	10.0		ug/L	10.0		100	43-168				
Carbon disulfide	8.53		"	10.0		85.3	68-146				
Carbon tetrachloride	9.24		"	10.0		92.4	77-141				
Chlorobenzene	9.27		"	10.0		92.7	88-120				
Chloroethane	10.5		"	10.0		105	65-136				
Chloroform	8.91		"	10.0		89.1	82-128				
Chloromethane	11.4		"	10.0		114	43-155				
cis-1,2-Dichloroethylene	9.21		"	10.0		92.1	83-129				
cis-1,3-Dichloropropylene	8.69		"	10.0		86.9	80-131				
Cyclohexane	7.18		"	10.0		71.8	63-149				
Dibromochloromethane	7.99		"	10.0		79.9	80-130	Low Bias			
Dibromomethane	8.34		"	10.0		83.4	72-134				
Dichlorodifluoromethane	12.4		"	10.0		124	44-144				
Ethyl Benzene	9.71		"	10.0		97.1	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	9.52		"	10.0		95.2	76-140				
Methyl acetate	8.45		"	10.0		84.5	51-139				
Methyl tert-butyl ether (MTBE)	8.21		"	10.0		82.1	76-135				
Methylcyclohexane	9.34		"	10.0		93.4	72-143				
Methylene chloride	9.47		"	10.0		94.7	55-137				
n-Butylbenzene	9.89		"	10.0		98.9	79-132				
n-Propylbenzene	9.71		"	10.0		97.1	78-133				
o-Xylene	9.55		"	10.0		95.5	78-130				
p- & m- Xylenes	16.6		"	20.0		82.9	77-133				
p-Isopropyltoluene	9.34		"	10.0		93.4	81-136				
sec-Butylbenzene	9.38		"	10.0		93.8	79-137				
Styrene	9.12		"	10.0		91.2	67-132				
tert-Butyl alcohol (TBA)	38.0		"	50.0		76.0	25-162				
tert-Butylbenzene	7.46		"	10.0		74.6	77-138	Low Bias			
Tetrachloroethylene	9.09		"	10.0		90.9	82-131				
Toluene	9.24		"	10.0		92.4	80-127				
trans-1,2-Dichloroethylene	9.31		"	10.0		93.1	80-132				
trans-1,3-Dichloropropylene	8.50		"	10.0		85.0	78-131				
Trichloroethylene	8.72		"	10.0		87.2	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	12.7		"	10.0		127	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
LCS Dup (BC22848-BSD1) LCS Dup								Prepared & Analyzed: 03/24/2022			
1,1,1,2-Tetrachloroethane	8.77		ug/L	10.0		87.7	82-126		1.13	30	
1,1,1-Trichloroethane	8.48		"	10.0		84.8	78-136		3.93	30	
1,1,2,2-Tetrachloroethane	8.61		"	10.0		86.1	76-129		0.116	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.89		"	10.0		88.9	54-165		5.79	30	
1,1,2-Trichloroethane	8.30		"	10.0		83.0	82-123		1.95	30	
1,1-Dichloroethane	8.90		"	10.0		89.0	82-129		2.44	30	
1,1-Dichloroethylene	9.18		"	10.0		91.8	68-138		5.71	30	
1,2,3-Trichlorobenzene	7.66		"	10.0		76.6	76-136		2.91	30	
1,2,3-Trichloropropane	8.43		"	10.0		84.3	77-128		0.954	30	
1,2,4-Trichlorobenzene	7.96		"	10.0		79.6	76-137		1.37	30	
1,2,4-Trimethylbenzene	8.54		"	10.0		85.4	82-132		5.69	30	
1,2-Dibromo-3-chloropropane	7.90		"	10.0		79.0	45-147		20.8	30	
1,2-Dibromoethane	8.51		"	10.0		85.1	83-124		3.59	30	
1,2-Dichlorobenzene	8.78		"	10.0		87.8	79-123		3.58	30	
1,2-Dichloroethane	9.01		"	10.0		90.1	73-132		0.445	30	
1,2-Dichloropropane	9.60		"	10.0		96.0	78-126		1.55	30	
1,3,5-Trimethylbenzene	8.58		"	10.0		85.8	80-131		6.32	30	
1,3-Dichlorobenzene	8.32		"	10.0		83.2	86-122	Low Bias	5.27	30	
1,4-Dichlorobenzene	8.48		"	10.0		84.8	85-124	Low Bias	4.61	30	
1,4-Dioxane	196		"	210		93.6	10-349		4.96	30	
2-Butanone	8.88		"	10.0		88.8	49-152		3.79	30	
2-Hexanone	9.27		"	10.0		92.7	51-146		3.51	30	
4-Methyl-2-pentanone	9.45		"	10.0		94.5	57-145		5.99	30	
Acetone	8.83		"	10.0		88.3	14-150		6.79	30	
Acrolein	4.97		"	10.0		49.7	10-153		3.90	30	
Acrylonitrile	8.76		"	10.0		87.6	51-150		4.91	30	
Benzene	8.59		"	10.0		85.9	85-126		3.09	30	
Bromochloromethane	9.25		"	10.0		92.5	77-128		1.71	30	
Bromodichloromethane	8.49		"	10.0		84.9	79-128		1.05	30	
Bromoform	8.92		"	10.0		89.2	78-133		4.47	30	
Bromomethane	9.41		"	10.0		94.1	43-168		6.38	30	
Carbon disulfide	8.00		"	10.0		80.0	68-146		6.41	30	
Carbon tetrachloride	8.84		"	10.0		88.4	77-141		4.42	30	
Chlorobenzene	9.06		"	10.0		90.6	88-120		2.29	30	
Chloroethane	9.84		"	10.0		98.4	65-136		6.49	30	
Chloroform	8.68		"	10.0		86.8	82-128		2.62	30	
Chloromethane	10.2		"	10.0		102	43-155		11.3	30	
cis-1,2-Dichloroethylene	8.92		"	10.0		89.2	83-129		3.20	30	
cis-1,3-Dichloropropylene	8.66		"	10.0		86.6	80-131		0.346	30	
Cyclohexane	6.84		"	10.0		68.4	63-149		4.85	30	
Dibromochloromethane	8.14		"	10.0		81.4	80-130		1.86	30	
Dibromomethane	8.51		"	10.0		85.1	72-134		2.02	30	
Dichlorodifluoromethane	11.2		"	10.0		112	44-144		9.73	30	
Ethyl Benzene	9.40		"	10.0		94.0	80-131		3.24	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		1.86	30	
Isopropylbenzene	8.85		"	10.0		88.5	76-140		7.29	30	
Methyl acetate	8.66		"	10.0		86.6	51-139		2.45	30	
Methyl tert-butyl ether (MTBE)	8.43		"	10.0		84.3	76-135		2.64	30	
Methylcyclohexane	9.00		"	10.0		90.0	72-143		3.71	30	
Methylene chloride	9.60		"	10.0		96.0	55-137		1.36	30	
n-Butylbenzene	9.30		"	10.0		93.0	79-132		6.15	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
LCS Dup (BC22848-BSD1) LCS Dup								Prepared & Analyzed: 03/24/2022			
n-Propylbenzene	9.05		ug/L	10.0		90.5	78-133		7.04	30	
o-Xylene	9.33		"	10.0		93.3	78-130		2.33	30	
p- & m- Xylenes	16.1		"	20.0		80.6	77-133		2.81	30	
p-Isopropyltoluene	8.75		"	10.0		87.5	81-136		6.52	30	
sec-Butylbenzene	8.75		"	10.0		87.5	79-137		6.95	30	
Styrene	8.95		"	10.0		89.5	67-132		1.88	30	
tert-Butyl alcohol (TBA)	41.8		"	50.0		83.5	25-162		9.40	30	
tert-Butylbenzene	6.97		"	10.0		69.7	77-138	Low Bias	6.79	30	
Tetrachloroethylene	8.70		"	10.0		87.0	82-131		4.38	30	
Toluene	8.97		"	10.0		89.7	80-127		2.97	30	
trans-1,2-Dichloroethylene	8.93		"	10.0		89.3	80-132		4.17	30	
trans-1,3-Dichloropropylene	8.62		"	10.0		86.2	78-131		1.40	30	
Trichloroethylene	8.38		"	10.0		83.8	82-128		3.98	30	
Trichlorofluoromethane	10.0		"	10.0		100	67-139		7.67	30	
Vinyl Chloride	11.5		"	10.0		115	58-145		9.74	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22458 - EPA 3550C

Blank (BC22458-BLK1) Blank — Prepared & Analyzed: 03/18/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
Blank (BC22458-BLK1) Blank									Prepared & Analyzed: 03/18/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.37*		"	*1.66*		*82.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.30*		"	*1.66*		*78.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.724*		"	*0.831*		*87.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.645*		"	*0.831*		*77.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.82*		"	*1.66*		*109*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.679*		"	*0.831*		*81.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
LCS (BC22458-BS1) LCS							Prepared & Analyzed: 03/18/2022				
1,1-Biphenyl	0.650	0.0416	mg/kg wet	0.831		78.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.566	0.0830	"	0.831		68.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.838	0.0416	"	0.831		101	17-137				
2,3,4,6-Tetrachlorophenol	0.912	0.0830	"	0.831		110	30-130				
2,4,5-Trichlorophenol	0.668	0.0416	"	0.831		80.4	27-118				
2,4,6-Trichlorophenol	0.665	0.0416	"	0.831		80.0	31-120				
2,4-Dichlorophenol	0.647	0.0416	"	0.831		77.9	20-127				
2,4-Dimethylphenol	0.666	0.0416	"	0.831		80.2	14-132				
2,4-Dinitrophenol	1.19	0.0830	"	0.831		143	10-171				
2,4-Dinitrotoluene	0.982	0.0416	"	0.831		118	34-131				
2,6-Dinitrotoluene	0.909	0.0416	"	0.831		109	31-128				
2-Chloronaphthalene	0.639	0.0416	"	0.831		76.9	31-117				
2-Chlorophenol	0.693	0.0416	"	0.831		83.4	33-113				
2-Methylnaphthalene	0.625	0.0416	"	0.831		75.3	12-138				
2-Methylphenol	0.731	0.0416	"	0.831		88.0	10-136				
2-Nitroaniline	0.854	0.0830	"	0.831		103	27-132				
2-Nitrophenol	0.780	0.0416	"	0.831		93.9	17-129				
3- & 4-Methylphenols	0.659	0.0416	"	0.831		79.4	29-103				
3,3-Dichlorobenzidine	0.805	0.0416	"	0.831		96.9	22-149				
3-Nitroaniline	0.725	0.0830	"	0.831		87.2	20-133				
4,6-Dinitro-2-methylphenol	0.978	0.0830	"	0.831		118	10-143				
4-Bromophenyl phenyl ether	0.493	0.0416	"	0.831		59.4	29-120				
4-Chloro-3-methylphenol	0.767	0.0416	"	0.831		92.4	24-129				
4-Chloroaniline	0.397	0.0416	"	0.831		47.8	10-132				
4-Chlorophenyl phenyl ether	0.658	0.0416	"	0.831		79.3	27-124				
4-Nitroaniline	0.855	0.0830	"	0.831		103	16-128				
4-Nitrophenol	1.14	0.0830	"	0.831		138	10-141				
Acenaphthene	0.683	0.0416	"	0.831		82.2	30-121				
Acenaphthylene	0.656	0.0416	"	0.831		79.0	30-115				
Acetophenone	0.687	0.0416	"	0.831		82.7	20-112				
Aniline	0.721	0.166	"	0.831		86.8	10-119				
Anthracene	0.740	0.0416	"	0.831		89.1	34-118				
Atrazine	0.617	0.0416	"	0.831		74.3	26-112				
Benzaldehyde	0.666	0.0416	"	0.831		80.2	21-100				
Benzo(a)anthracene	0.746	0.0416	"	0.831		89.8	32-122				
Benzo(a)pyrene	0.684	0.0416	"	0.831		82.3	29-133				
Benzo(b)fluoranthene	0.729	0.0416	"	0.831		87.8	25-133				
Benzo(g,h,i)perylene	0.650	0.0416	"	0.831		78.3	10-143				
Benzo(k)fluoranthene	0.686	0.0416	"	0.831		82.6	25-128				
Benzoic acid	0.661	0.0416	"	0.831		79.6	10-140				
Benzyl alcohol	0.730	0.0416	"	0.831		87.9	30-115				
Benzyl butyl phthalate	0.922	0.0416	"	0.831		111	26-126				
Bis(2-chloroethoxy)methane	0.661	0.0416	"	0.831		79.6	19-132				
Bis(2-chloroethyl)ether	0.719	0.0416	"	0.831		86.6	19-125				
Bis(2-chloroisopropyl)ether	0.848	0.0416	"	0.831		102	20-135				
Bis(2-ethylhexyl)phthalate	0.993	0.0416	"	0.831		120	10-155				
Caprolactam	0.819	0.0830	"	0.831		98.6	10-127				
Carbazole	0.790	0.0416	"	0.831		95.1	35-123				
Chrysene	0.695	0.0416	"	0.831		83.7	32-123				
Dibenzo(a,h)anthracene	0.706	0.0416	"	0.831		85.0	10-136				
Dibenzofuran	0.677	0.0416	"	0.831		81.5	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
LCS (BC22458-BS1) LCS							Prepared & Analyzed: 03/18/2022				
Diethyl phthalate	0.779	0.0416	mg/kg wet	0.831		93.8	34-116				
Dimethyl phthalate	0.736	0.0416	"	0.831		88.6	35-124				
Di-n-butyl phthalate	0.861	0.0416	"	0.831		104	31-116				
Di-n-octyl phthalate	0.946	0.0416	"	0.831		114	26-136				
Diphenylamine	0.670	0.0830	"	0.831		80.7	40-140				
Fluoranthene	0.736	0.0416	"	0.831		88.6	33-122				
Fluorene	0.711	0.0416	"	0.831		85.6	29-123				
Hexachlorobenzene	0.610	0.0416	"	0.831		73.5	21-124				
Hexachlorobutadiene	0.539	0.0416	"	0.831		64.9	10-149				
Hexachlorocyclopentadiene	0.297	0.0416	"	0.831		35.8	10-129				
Hexachloroethane	0.663	0.0416	"	0.831		79.8	28-108				
Indeno(1,2,3-cd)pyrene	0.659	0.0416	"	0.831		79.4	10-135				
Isophorone	0.745	0.0416	"	0.831		89.6	20-132				
Naphthalene	0.619	0.0416	"	0.831		74.5	23-124				
Nitrobenzene	0.760	0.0416	"	0.831		91.5	13-132				
N-Nitrosodimethylamine	0.953	0.0416	"	0.831		115	11-129				
N-nitroso-di-n-propylamine	0.850	0.0416	"	0.831		102	24-119				
N-Nitrosodiphenylamine	0.654	0.0416	"	0.831		78.8	22-152				
Pentachlorophenol	0.293	0.0416	"	0.831		35.2	10-139				
Phenanthrene	0.656	0.0416	"	0.831		79.0	33-123				
Phenol	0.711	0.0416	"	0.831		85.6	23-115				
Pyrene	0.739	0.0416	"	0.831		88.9	24-130				
Pyridine	0.776	0.166	"	0.831		93.5	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.58*		"	*1.66*		*95.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.53*		"	*1.66*		*92.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.837*		"	*0.831*		*101*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.648*		"	*0.831*		*78.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.08*		"	*1.66*		*65.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.732*		"	*0.831*		*88.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
Matrix Spike (BC22458-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/19/2022			
1,1-Biphenyl	0.699	0.104	mg/kg dry	1.04	ND	67.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.589	0.209	"	1.04	ND	56.5	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.636	0.104	"	1.04	ND	61.0	10-144				
2,3,4,6-Tetrachlorophenol	0.949	0.209	"	1.04	ND	90.9	30-130				
2,4,5-Trichlorophenol	0.685	0.104	"	1.04	ND	65.6	10-127				
2,4,6-Trichlorophenol	0.673	0.104	"	1.04	ND	64.5	10-132				
2,4-Dichlorophenol	0.643	0.104	"	1.04	ND	61.6	10-128				
2,4-Dimethylphenol	0.648	0.104	"	1.04	ND	62.1	10-137				
2,4-Dinitrophenol	ND	0.209	"	1.04	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.708	0.104	"	1.04	ND	67.8	16-135				
2,6-Dinitrotoluene	0.756	0.104	"	1.04	ND	72.4	18-131				
2-Chloronaphthalene	0.654	0.104	"	1.04	ND	62.6	10-129				
2-Chlorophenol	0.702	0.104	"	1.04	ND	67.3	15-116				
2-Methylnaphthalene	0.632	0.104	"	1.04	ND	60.6	10-147				
2-Methylphenol	0.749	0.104	"	1.04	ND	71.8	10-136				
2-Nitroaniline	0.917	0.209	"	1.04	ND	87.8	10-137				
2-Nitrophenol	0.532	0.104	"	1.04	ND	51.0	10-129				
3- & 4-Methylphenols	0.663	0.104	"	1.04	ND	63.5	10-123				
3,3-Dichlorobenzidine	1.06	0.104	"	1.04	ND	102	10-155				
3-Nitroaniline	0.942	0.209	"	1.04	ND	90.2	12-133				
4,6-Dinitro-2-methylphenol	ND	0.209	"	1.04	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.480	0.104	"	1.04	ND	46.0	14-128				
4-Chloro-3-methylphenol	0.758	0.104	"	1.04	ND	72.6	10-134				
4-Chloroaniline	0.589	0.104	"	1.04	ND	56.4	10-145				
4-Chlorophenyl phenyl ether	0.647	0.104	"	1.04	ND	62.0	14-130				
4-Nitroaniline	1.01	0.209	"	1.04	ND	97.1	10-147				
4-Nitrophenol	1.07	0.209	"	1.04	ND	102	10-137				
Acenaphthene	0.687	0.104	"	1.04	ND	65.8	10-146				
Acenaphthylene	0.663	0.104	"	1.04	ND	63.5	10-134				
Acetophenone	0.746	0.104	"	1.04	ND	71.5	10-116				
Aniline	0.766	0.418	"	1.04	ND	73.4	10-123				
Anthracene	0.760	0.104	"	1.04	ND	72.8	10-142				
Atrazine	0.625	0.104	"	1.04	ND	59.9	19-115				
Benzaldehyde	0.744	0.104	"	1.04	ND	71.3	10-125				
Benzo(a)anthracene	0.766	0.104	"	1.04	ND	73.4	10-158				
Benzo(a)pyrene	0.729	0.104	"	1.04	ND	69.8	10-180				
Benzo(b)fluoranthene	0.738	0.104	"	1.04	ND	70.7	10-200				
Benzo(g,h,i)perylene	0.619	0.104	"	1.04	ND	59.3	10-138				
Benzo(k)fluoranthene	0.755	0.104	"	1.04	ND	72.3	10-197				
Benzoic acid	0.458	0.104	"	1.04	ND	43.8	10-166				
Benzyl alcohol	0.706	0.104	"	1.04	ND	67.6	12-124				
Benzyl butyl phthalate	0.836	0.104	"	1.04	ND	80.1	10-154				
Bis(2-chloroethoxy)methane	0.645	0.104	"	1.04	ND	61.8	10-132				
Bis(2-chloroethyl)ether	0.725	0.104	"	1.04	ND	69.4	10-119				
Bis(2-chloroisopropyl)ether	0.854	0.104	"	1.04	ND	81.8	10-139				
Bis(2-ethylhexyl)phthalate	0.922	0.104	"	1.04	ND	88.3	10-167				
Caprolactam	0.815	0.209	"	1.04	ND	78.1	10-132				
Carbazole	0.820	0.104	"	1.04	ND	78.6	10-167				
Chrysene	0.697	0.104	"	1.04	ND	66.8	10-156				
Dibenzo(a,h)anthracene	0.689	0.104	"	1.04	ND	66.0	10-137				
Dibenzofuran	0.681	0.104	"	1.04	ND	65.3	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
Matrix Spike (BC22458-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/19/2022			
Diethyl phthalate	0.786	0.104	mg/kg dry	1.04	ND	75.3	20-120				
Dimethyl phthalate	0.856	0.104	"	1.04	0.148	67.8	18-131				
Di-n-butyl phthalate	0.844	0.104	"	1.04	ND	80.9	10-137				
Di-n-octyl phthalate	0.935	0.104	"	1.04	ND	89.6	10-180				
Diphenylamine	0.664	0.209	"	1.04	ND	63.6	40-140				
Fluoranthene	0.787	0.104	"	1.04	ND	75.4	10-160				
Fluorene	0.715	0.104	"	1.04	ND	68.5	10-157				
Hexachlorobenzene	0.620	0.104	"	1.04	ND	59.4	10-137				
Hexachlorobutadiene	0.544	0.104	"	1.04	ND	52.1	10-132				
Hexachlorocyclopentadiene	ND	0.104	"	1.04	ND		10-106	Low Bias			
Hexachloroethane	0.447	0.104	"	1.04	ND	42.8	10-110				
Indeno(1,2,3-cd)pyrene	0.630	0.104	"	1.04	ND	60.4	10-144				
Isophorone	0.737	0.104	"	1.04	ND	70.6	10-132				
Naphthalene	0.642	0.104	"	1.04	ND	61.5	10-141				
Nitrobenzene	0.783	0.104	"	1.04	ND	75.0	10-131				
N-Nitrosodimethylamine	0.943	0.104	"	1.04	ND	90.3	10-126				
N-nitroso-di-n-propylamine	0.846	0.104	"	1.04	ND	81.0	10-125				
N-Nitrosodiphenylamine	0.670	0.104	"	1.04	ND	64.2	10-177				
Pentachlorophenol	0.296	0.104	"	1.04	ND	28.4	10-153				
Phenanthrene	0.681	0.104	"	1.04	ND	65.3	10-148				
Phenol	0.721	0.104	"	1.04	ND	69.0	10-126				
Pyrene	0.720	0.104	"	1.04	ND	69.0	10-165				
Pyridine	0.842	0.418	"	1.04	ND	80.7	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.63*		"	*2.09*		*78.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.58*		"	*2.09*		*75.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.868*		"	*1.04*		*83.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.660*		"	*1.04*		*63.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.08*		"	*2.09*		*51.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.675*		"	*1.04*		*64.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
Matrix Spike Dup (BC22458-M Matrix Spike Dup	*Source sample: 22C0991-01 (EP14_0.5)								Prepared: 03/18/2022 Analyzed: 03/19/2022		
1,1-Biphenyl	0.753	0.104	mg/kg dry	1.04	ND	72.2	10-130		7.48	30	
1,2,4,5-Tetrachlorobenzene	0.616	0.209	"	1.04	ND	59.0	10-133		4.43	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.694	0.104	"	1.04	ND	66.5	10-144		8.66	30	
2,3,4,6-Tetrachlorophenol	1.00	0.209	"	1.04	ND	95.8	30-130		5.31	30	
2,4,5-Trichlorophenol	0.711	0.104	"	1.04	ND	68.1	10-127		3.71	30	
2,4,6-Trichlorophenol	0.719	0.104	"	1.04	ND	68.9	10-132		6.60	30	
2,4-Dichlorophenol	0.671	0.104	"	1.04	ND	64.3	10-128		4.32	30	
2,4-Dimethylphenol	0.691	0.104	"	1.04	ND	66.2	10-137		6.48	30	
2,4-Dinitrophenol	ND	0.209	"	1.04	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.782	0.104	"	1.04	ND	74.9	16-135		9.87	30	
2,6-Dinitrotoluene	0.822	0.104	"	1.04	ND	78.7	18-131		8.36	30	
2-Chloronaphthalene	0.693	0.104	"	1.04	ND	66.4	10-129		5.83	30	
2-Chlorophenol	0.732	0.104	"	1.04	ND	70.2	15-116		4.19	30	
2-Methylnaphthalene	0.677	0.104	"	1.04	ND	64.9	10-147		6.89	30	
2-Methylphenol	0.785	0.104	"	1.04	ND	75.2	10-136		4.68	30	
2-Nitroaniline	0.949	0.209	"	1.04	ND	91.0	10-137		3.49	30	
2-Nitrophenol	0.590	0.104	"	1.04	ND	56.6	10-129		10.4	30	
3- & 4-Methylphenols	0.718	0.104	"	1.04	ND	68.8	10-123		7.98	30	
3,3-Dichlorobenzidine	1.15	0.104	"	1.04	ND	110	10-155		8.24	30	
3-Nitroaniline	0.984	0.209	"	1.04	ND	94.2	12-133		4.34	30	
4,6-Dinitro-2-methylphenol	ND	0.209	"	1.04	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.498	0.104	"	1.04	ND	47.8	14-128		3.75	30	
4-Chloro-3-methylphenol	0.831	0.104	"	1.04	ND	79.6	10-134		9.14	30	
4-Chloroaniline	0.625	0.104	"	1.04	ND	59.8	10-145		5.92	30	
4-Chlorophenyl phenyl ether	0.692	0.104	"	1.04	ND	66.3	14-130		6.73	30	
4-Nitroaniline	1.05	0.209	"	1.04	ND	101	10-147		3.64	30	
4-Nitrophenol	1.15	0.209	"	1.04	ND	110	10-137		7.90	30	
Acenaphthene	0.742	0.104	"	1.04	ND	71.1	10-146		7.71	30	
Acenaphthylene	0.708	0.104	"	1.04	ND	67.8	10-134		6.58	30	
Acetophenone	0.806	0.104	"	1.04	ND	77.2	10-116		7.64	30	
Aniline	0.820	0.418	"	1.04	ND	78.6	10-123		6.74	30	
Anthracene	0.789	0.104	"	1.04	ND	75.6	10-142		3.77	30	
Atrazine	0.651	0.104	"	1.04	ND	62.4	19-115		4.05	30	
Benzaldehyde	0.787	0.104	"	1.04	ND	75.4	10-125		5.67	30	
Benzo(a)anthracene	0.811	0.104	"	1.04	ND	77.7	10-158		5.61	30	
Benzo(a)pyrene	0.772	0.104	"	1.04	ND	73.9	10-180		5.68	30	
Benzo(b)fluoranthene	0.803	0.104	"	1.04	ND	77.0	10-200		8.45	30	
Benzo(g,h,i)perylene	0.656	0.104	"	1.04	ND	62.9	10-138		5.89	30	
Benzo(k)fluoranthene	0.772	0.104	"	1.04	ND	73.9	10-197		2.19	30	
Benzoic acid	0.465	0.104	"	1.04	ND	44.6	10-166		1.63	30	
Benzyl alcohol	0.751	0.104	"	1.04	ND	71.9	12-124		6.19	30	
Benzyl butyl phthalate	0.933	0.104	"	1.04	ND	89.4	10-154		11.0	30	
Bis(2-chloroethoxy)methane	0.693	0.104	"	1.04	ND	66.4	10-132		7.11	30	
Bis(2-chloroethyl)ether	0.786	0.104	"	1.04	ND	75.3	10-119		8.07	30	
Bis(2-chloroisopropyl)ether	0.928	0.104	"	1.04	ND	89.0	10-139		8.34	30	
Bis(2-ethylhexyl)phthalate	1.01	0.104	"	1.04	ND	96.6	10-167		9.00	30	
Caprolactam	0.923	0.209	"	1.04	ND	88.5	10-132		12.5	30	
Carbazole	0.860	0.104	"	1.04	ND	82.4	10-167		4.77	30	
Chrysene	0.758	0.104	"	1.04	ND	72.6	10-156		8.38	30	
Dibenzo(a,h)anthracene	0.734	0.104	"	1.04	ND	70.3	10-137		6.34	30	
Dibenzofuran	0.726	0.104	"	1.04	ND	69.5	10-147		6.29	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22458 - EPA 3550C											
Matrix Spike Dup (BC22458-M Matrix Spike Dup	*Source sample: 22C0991-01 (EP14_0.5)								Prepared: 03/18/2022 Analyzed: 03/19/2022		
Diethyl phthalate	0.840	0.104	mg/kg dry	1.04	ND	80.5	20-120		6.68	30	
Dimethyl phthalate	0.883	0.104	"	1.04	0.148	70.5	18-131		3.17	30	
Di-n-butyl phthalate	0.902	0.104	"	1.04	ND	86.4	10-137		6.60	30	
Di-n-octyl phthalate	1.00	0.104	"	1.04	ND	95.9	10-180		6.81	30	
Diphenylamine	0.694	0.209	"	1.04	ND	66.5	40-140		4.43	30	
Fluoranthene	0.822	0.104	"	1.04	ND	78.8	10-160		4.36	30	
Fluorene	0.765	0.104	"	1.04	ND	73.3	10-157		6.77	30	
Hexachlorobenzene	0.660	0.104	"	1.04	ND	63.3	10-137		6.26	30	
Hexachlorobutadiene	0.566	0.104	"	1.04	ND	54.2	10-132		4.06	30	
Hexachlorocyclopentadiene	ND	0.104	"	1.04	ND		10-106	Low Bias		30	
Hexachloroethane	0.498	0.104	"	1.04	ND	47.7	10-110		10.8	30	
Indeno(1,2,3-cd)pyrene	0.677	0.104	"	1.04	ND	64.9	10-144		7.15	30	
Isophorone	0.794	0.104	"	1.04	ND	76.1	10-132		7.42	30	
Naphthalene	0.676	0.104	"	1.04	ND	64.8	10-141		5.19	30	
Nitrobenzene	0.843	0.104	"	1.04	ND	80.8	10-131		7.39	30	
N-Nitrosodimethylamine	1.03	0.104	"	1.04	ND	98.4	10-126		8.56	30	
N-nitroso-di-n-propylamine	0.896	0.104	"	1.04	ND	85.8	10-125		5.75	30	
N-Nitrosodiphenylamine	0.696	0.104	"	1.04	ND	66.7	10-177		3.79	30	
Pentachlorophenol	0.254	0.104	"	1.04	ND	24.3	10-153		15.5	30	
Phenanthrene	0.711	0.104	"	1.04	ND	68.2	10-148		4.32	30	
Phenol	0.777	0.104	"	1.04	ND	74.5	10-126		7.58	30	
Pyrene	0.769	0.104	"	1.04	ND	73.7	10-165		6.62	30	
Pyridine	0.832	0.418	"	1.04	ND	79.8	10-83		1.20	30	
Surrogate: SURR: 2-Fluorophenol	*1.72*		"	*2.09*		*82.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.67*		"	*2.09*		*79.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.916*		"	*1.04*		*87.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.702*		"	*1.04*		*67.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.11*		"	*2.09*		*53.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.727*		"	*1.04*		*69.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
Blank (BC22545-BLK1) Blank									Prepared & Analyzed: 03/21/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	8.28	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
Blank (BC22545-BLK1) Blank									Prepared & Analyzed: 03/21/2022		
Surrogate: SURR: 2-Fluorophenol	*21.7*		*ug/L*	*50.0*		*43.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*12.6*		*"*	*50.0*		*25.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*25.1*		*"*	*25.0*		*100*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.0*		*"*	*25.0*		*80.0*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*35.6*		*"*	*50.0*		*71.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*24.0*		*"*	*25.0*		*95.9*	*30.7-106*				
Blank (BC22545-BLK2) Blank									Prepared & Analyzed: 03/21/2022		
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
LCS (BC22545-BS1) LCS								Prepared & Analyzed: 03/21/2022			
1,1-Biphenyl	24.5	5.00	ug/L	25.0		97.9	33-95	High Bias			
1,2,4,5-Tetrachlorobenzene	20.2	5.00	"	25.0		80.8	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	31.3	5.00	"	25.0		125	16-141				
2,3,4,6-Tetrachlorophenol	25.8	5.00	"	25.0		103	30-130				
2,4,5-Trichlorophenol	21.7	5.00	"	25.0		86.6	32-114				
2,4,6-Trichlorophenol	23.8	5.00	"	25.0		95.2	35-118				
2,4-Dichlorophenol	21.0	5.00	"	25.0		84.1	25-116				
2,4-Dimethylphenol	20.0	5.00	"	25.0		80.0	15-116				
2,4-Dinitrophenol	44.8	5.00	"	25.0		179	10-170	High Bias			
2,4-Dinitrotoluene	34.3	5.00	"	25.0		137	41-128	High Bias			
2,6-Dinitrotoluene	32.3	5.00	"	25.0		129	45-116	High Bias			
2-Chloronaphthalene	22.1	5.00	"	25.0		88.4	33-112				
2-Chlorophenol	20.3	5.00	"	25.0		81.3	15-120				
2-Methylnaphthalene	20.7	5.00	"	25.0		82.8	24-118				
2-Methylphenol	18.6	5.00	"	25.0		74.6	10-110				
2-Nitroaniline	29.3	5.00	"	25.0		117	34-129				
2-Nitrophenol	26.6	5.00	"	25.0		106	28-118				
3- & 4-Methylphenols	15.4	5.00	"	25.0		61.4	10-107				
3,3-Dichlorobenzidine	25.5	5.00	"	25.0		102	15-187				
3-Nitroaniline	25.2	5.00	"	25.0		101	24-134				
4,6-Dinitro-2-methylphenol	35.1	5.00	"	25.0		141	10-153				
4-Bromophenyl phenyl ether	17.4	5.00	"	25.0		69.6	34-120				
4-Chloro-3-methylphenol	24.6	5.00	"	25.0		98.3	20-120				
4-Chloroaniline	17.6	5.00	"	25.0		70.6	10-147				
4-Chlorophenyl phenyl ether	22.6	5.00	"	25.0		90.4	27-121				
4-Nitroaniline	27.3	5.00	"	25.0		109	13-134				
4-Nitrophenol	17.8	5.00	"	25.0		71.1	10-131				
Acetophenone	24.8	5.00	"	25.0		99.1	25-110				
Aniline	19.8	5.00	"	25.0		79.2	10-117				
Benzaldehyde	23.0	5.00	"	25.0		92.2	29-117				
Benzoic acid	11.3	5.00	"	25.0		45.1	30-130				
Benzyl alcohol	18.1	5.00	"	25.0		72.5	10-117				
Benzyl butyl phthalate	31.4	5.00	"	25.0		125	29-133				
Bis(2-chloroethoxy)methane	21.8	5.00	"	25.0		87.3	10-154				
Bis(2-chloroethyl)ether	23.0	5.00	"	25.0		92.0	17-125				
Bis(2-chloroisopropyl)ether	27.8	5.00	"	25.0		111	10-139				
Caprolactam	5.67	5.00	"	25.0		22.7	10-137				
Carbazole	27.4	5.00	"	25.0		110	42-126				
Dibenzofuran	23.4	5.00	"	25.0		93.6	36-113				
Diethyl phthalate	28.5	5.00	"	25.0		114	38-115				
Dimethyl phthalate	33.1	5.00	"	25.0		132	38-129	High Bias			
Di-n-butyl phthalate	29.7	5.00	"	25.0		119	31-120				
Di-n-octyl phthalate	32.6	5.00	"	25.0		130	21-149				
Diphenylamine	22.6	5.00	"	25.0		90.2	40-140				
Hexachlorocyclopentadiene	8.74	10.0	"	25.0		35.0	10-130				
Isophorone	25.2	5.00	"	25.0		101	25-127				
N-nitroso-di-n-propylamine	27.4	5.00	"	25.0		110	26-122				
N-Nitrosodiphenylamine	22.5	5.00	"	25.0		90.0	23-149				
Phenol	8.32	5.00	"	25.0		33.3	10-110				
Pyridine	22.3	5.00	"	25.5		87.3	10-90				
Surrogate: SURR: 2-Fluorophenol	*26.4*		*"*	*50.0*		*52.7*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
LCS (BC22545-BS1) LCS							Prepared & Analyzed: 03/21/2022				
Surrogate: SURR: Phenol-d5	*16.1*		*ug/L*	*50.0*		*32.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*27.7*		*"*	*25.0*		*111*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*22.4*		*"*	*25.0*		*89.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*37.6*		*"*	*50.0*		*75.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*25.0*		*"*	*25.0*		*100*	*30.7-106*				
LCS (BC22545-BS2) LCS							Prepared & Analyzed: 03/21/2022				
Acenaphthene	0.810	0.0500	ug/L	1.00		81.0	25-116				
Acenaphthylene	0.860	0.0500	"	1.00		86.0	26-116				
Anthracene	0.620	0.0500	"	1.00		62.0	25-123				
Benzo(a)anthracene	0.690	0.0500	"	1.00		69.0	33-125				
Benzo(a)pyrene	0.670	0.0500	"	1.00		67.0	32-132				
Benzo(b)fluoranthene	1.01	0.0500	"	1.00		101	22-137				
Benzo(g,h,i)perylene	1.08	0.0500	"	1.00		108	10-138				
Benzo(k)fluoranthene	0.910	0.0500	"	1.00		91.0	20-137				
Bis(2-ethylhexyl)phthalate	1.46	0.500	"	1.00		146	10-189				
Chrysene	1.13	0.0500	"	1.00		113	32-124				
Dibenzo(a,h)anthracene	1.09	0.0500	"	1.00		109	16-133				
Fluoranthene	0.970	0.0500	"	1.00		97.0	32-121				
Fluorene	0.880	0.0500	"	1.00		88.0	28-118				
Hexachlorobenzene	0.830	0.0200	"	1.00		83.0	23-124				
Hexachlorobutadiene	0.740	0.500	"	1.00		74.0	15-123				
Hexachloroethane	3.57	0.500	"	1.00		357	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.940	0.0500	"	1.00		94.0	15-135				
Naphthalene	0.800	0.0500	"	1.00		80.0	18-120				
Nitrobenzene	0.920	0.250	"	1.00		92.0	21-121				
N-Nitrosodimethylamine	0.510	0.500	"	1.00		51.0	10-124				
Pentachlorophenol	0.770	0.250	"	1.00		77.0	10-156				
Phenanthrene	0.890	0.0500	"	1.00		89.0	24-127				
Pyrene	0.900	0.0500	"	1.00		90.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
LCS Dup (BC22545-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.0	33-95		11.8	20	
1,2,4,5-Tetrachlorobenzene	17.5	5.00	"	25.0		69.9	26-120		14.5	20	
1,2-Diphenylhydrazine (as Azobenzene)	25.4	5.00	"	25.0		102	16-141		20.8	20	Non-dir.
2,3,4,6-Tetrachlorophenol	23.6	5.00	"	25.0		94.6	30-130		8.62	20	
2,4,5-Trichlorophenol	20.8	5.00	"	25.0		83.3	32-114		3.95	20	
2,4,6-Trichlorophenol	20.9	5.00	"	25.0		83.5	35-118		13.1	20	
2,4-Dichlorophenol	18.7	5.00	"	25.0		74.7	25-116		11.8	20	
2,4-Dimethylphenol	17.6	5.00	"	25.0		70.2	15-116		13.0	20	
2,4-Dinitrophenol	42.0	5.00	"	25.0		168	10-170		6.45	20	
2,4-Dinitrotoluene	30.4	5.00	"	25.0		122	41-128		12.0	20	
2,6-Dinitrotoluene	28.7	5.00	"	25.0		115	45-116		11.9	20	
2-Chloronaphthalene	19.5	5.00	"	25.0		78.0	33-112		12.4	20	
2-Chlorophenol	18.3	5.00	"	25.0		73.3	15-120		10.3	20	
2-Methylnaphthalene	18.6	5.00	"	25.0		74.4	24-118		10.7	20	
2-Methylphenol	17.1	5.00	"	25.0		68.4	10-110		8.56	20	
2-Nitroaniline	26.4	5.00	"	25.0		106	34-129		10.4	20	
2-Nitrophenol	23.6	5.00	"	25.0		94.4	28-118		12.1	20	
3- & 4-Methylphenols	14.0	5.00	"	25.0		56.0	10-107		9.20	20	
3,3-Dichlorobenzidine	23.2	5.00	"	25.0		92.9	15-187		9.16	20	
3-Nitroaniline	22.5	5.00	"	25.0		90.0	24-134		11.3	20	
4,6-Dinitro-2-methylphenol	31.6	5.00	"	25.0		126	10-153		10.7	20	
4-Bromophenyl phenyl ether	15.3	5.00	"	25.0		61.1	34-120		13.0	20	
4-Chloro-3-methylphenol	22.2	5.00	"	25.0		88.8	20-120		10.2	20	
4-Chloroaniline	15.2	5.00	"	25.0		61.0	10-147		14.7	20	
4-Chlorophenyl phenyl ether	19.9	5.00	"	25.0		79.7	27-121		12.6	20	
4-Nitroaniline	24.8	5.00	"	25.0		99.3	13-134		9.63	20	
4-Nitrophenol	55.4	5.00	"	25.0		222	10-131	High Bias	103	20	Non-dir.
Acetophenone	22.8	5.00	"	25.0		91.2	25-110		8.37	20	
Aniline	17.7	5.00	"	25.0		70.9	10-117		11.1	20	
Benzaldehyde	21.7	5.00	"	25.0		87.0	29-117		5.81	20	
Benzoic acid	10.4	5.00	"	25.0		41.7	30-130		7.93	20	
Benzyl alcohol	16.6	5.00	"	25.0		66.4	10-117		8.81	20	
Benzyl butyl phthalate	28.3	5.00	"	25.0		113	29-133		10.4	20	
Bis(2-chloroethoxy)methane	19.6	5.00	"	25.0		78.5	10-154		10.6	20	
Bis(2-chloroethyl)ether	21.4	5.00	"	25.0		85.4	17-125		7.44	20	
Bis(2-chloroisopropyl)ether	25.9	5.00	"	25.0		104	10-139		6.86	20	
Caprolactam	5.39	5.00	"	25.0		21.6	10-137		5.06	20	
Carbazole	24.3	5.00	"	25.0		97.4	42-126		11.8	20	
Dibenzofuran	20.8	5.00	"	25.0		83.1	36-113		12.0	20	
Diethyl phthalate	25.2	5.00	"	25.0		101	38-115		12.0	20	
Dimethyl phthalate	28.8	5.00	"	25.0		115	38-129		13.7	20	
Di-n-butyl phthalate	27.0	5.00	"	25.0		108	31-120		9.53	20	
Di-n-octyl phthalate	29.2	5.00	"	25.0		117	21-149		11.0	20	
Diphenylamine	20.0	5.00	"	25.0		80.0	40-140		11.9	20	
Hexachlorocyclopentadiene	7.54	10.0	"	25.0		30.2	10-130		14.7	20	
Isophorone	23.0	5.00	"	25.0		92.0	25-127		9.29	20	
N-nitroso-di-n-propylamine	25.0	5.00	"	25.0		99.9	26-122		9.24	20	
N-Nitrosodiphenylamine	19.6	5.00	"	25.0		78.4	23-149		13.8	20	
Phenol	7.53	5.00	"	25.0		30.1	10-110		9.97	20	
Pyridine	20.5	5.00	"	25.5		80.5	10-90		8.13	20	
Surrogate: SURR: 2-Fluorophenol	*24.3*		*"*	*50.0*		*48.6*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22545 - EPA 3510C											
LCS Dup (BC22545-BSD1) LCS Dup								Prepared & Analyzed: 03/21/2022			
Surrogate: SURR: Phenol-d5	*14.6*		*ug/L*	*50.0*		*29.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*25.4*		*"*	*25.0*		*102*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*19.8*		*"*	*25.0*		*79.0*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*33.6*		*"*	*50.0*		*67.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*21.4*		*"*	*25.0*		*85.8*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22457 - EPA 3550C												
Blank (BC22457-BLK1)	Blank								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*297*		*"*	*495*		*60.0*	*39-127.5*				
LCS (BC22457-BS1)	LCS								Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		511	19.8	ug/kg	495		103	40-130				
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BC22457-MS1)	Matrix Spike	*Source sample: 22C0838-07 (Matrix Spike)							Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		512	19.8	ug/kg	495	ND	103	40-130				
Surrogate: 1,4-Dioxane-d8		*297*		*"*	*495*		*60.0*	*40-130*				
Matrix Spike (BC22457-MS2)	Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BC22457-M	Matrix Spike Dup	*Source sample: 22C0838-07 (Matrix Spike Dup)							Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		495	19.8	ug/kg	495	ND	100	40-130		3.34	30	
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BC22457-M	Matrix Spike Dup	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/18/2022			
1,4-Dioxane		495	19.8	ug/kg	495	ND	100	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*40-130*				
Batch BC22559 - EPA 3535A												
Blank (BC22559-BLK1)	Blank								Prepared & Analyzed: 03/21/2022			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22559 - EPA 3535A											
LCS (BC22559-BS1) LCS								Prepared & Analyzed: 03/21/2022			
1,4-Dioxane	3.84	0.300	ug/L	4.00		96.0	50-130				
Surrogate: 1,4-Dioxane-d8	*3.84*		*"*	*4.00*		*96.0*	*36.6-118*				
Matrix Spike (BC22559-MS1) Matrix Spike *Source sample: 22C0991-04 (FB05_03172022)								Prepared & Analyzed: 03/21/2022			
1,4-Dioxane	4.19	0.300	ug/L	4.00	ND	105	50-130				
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*50-130*				
Matrix Spike Dup (BC22559-M Matrix Spike Dup *Source sample: 22C0991-04 (FB05_03172022)								Prepared & Analyzed: 03/21/2022			
1,4-Dioxane	4.21	0.300	ug/L	4.00	ND	105	50-130		0.381	30	
Surrogate: 1,4-Dioxane-d8	*3.04*		*"*	*4.00*		*76.0*	*50-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC22488-BLK1) Blank								Prepared & Analyzed: 03/18/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*79.6*		"	*74.3*		*107*	*25-150*				
Surrogate: M5PFHxA	*81.2*		"	*80.0*		*101*	*25-150*				
Surrogate: M4PFHpA	*78.0*		"	*80.0*		*97.5*	*25-150*				
Surrogate: M3PFHxS	*83.3*		"	*75.7*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.4*		"	*80.0*		*109*	*25-150*				
Surrogate: M6PFDA	*86.2*		"	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*85.4*		"	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.8*		"	*80.0*		*110*	*25-150*				
Surrogate: M2PFTeDA	*68.5*		"	*80.0*		*85.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.2*		"	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.7*		"	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.9*		"	*80.0*		*98.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.8*		"	*80.0*		*44.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.3*		"	*80.0*		*104*	*25-150*				
Surrogate: d5-N-EtFOSAA	*90.6*		"	*80.0*		*113*	*25-150*				
Surrogate: M2-6:2 FTS	*99.1*		"	*75.9*		*131*	*25-200*				
Surrogate: M2-8:2 FTS	*130*		"	*76.6*		*170*	*25-200*				
Surrogate: M9PFNA	*89.0*		"	*80.0*		*111*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC22488-BS1) LCS							Prepared & Analyzed: 03/18/2022				
Perfluorobutanesulfonic acid (PFBS)	71.8	2.00	ng/L	70.8		101	50-130				
Perfluorohexanoic acid (PFHxA)	82.4	2.00	"	80.0		103	50-130				
Perfluoroheptanoic acid (PFHpA)	88.0	2.00	"	80.0		110	50-130				
Perfluorohexanesulfonic acid (PFHxS)	69.9	2.00	"	72.8		96.0	50-130				
Perfluorooctanoic acid (PFOA)	82.8	2.00	"	80.0		104	50-130				
Perfluorooctanesulfonic acid (PFOS)	83.9	2.00	"	74.0		113	50-130				
Perfluorononanoic acid (PFNA)	81.1	2.00	"	80.0		101	50-130				
Perfluorodecanoic acid (PFDA)	81.1	2.00	"	80.0		101	50-130				
Perfluoroundecanoic acid (PFUnA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorododecanoic acid (PFDoA)	83.1	2.00	"	80.0		104	50-130				
Perfluorotridecanoic acid (PFTrDA)	70.6	2.00	"	80.0		88.3	50-130				
Perfluorotetradecanoic acid (PFTA)	83.4	2.00	"	80.0		104	50-130				
N-MeFOSAA	86.3	2.00	"	80.0		108	50-130				
N-EtFOSAA	85.6	2.00	"	80.0		107	50-130				
Perfluoropentanoic acid (PFPeA)	80.1	2.00	"	80.0		100	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	2.00	"	80.0		95.3	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.8	2.00	"	76.4		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.4	2.00	"	77.2		98.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	87.2	5.00	"	76.0		115	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	62.8	2.00	"	76.8		81.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.4	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	*75.8*		*"*	*74.3*		*102*	*25-150*				
Surrogate: M5PFHxA	*77.7*		*"*	*80.0*		*97.2*	*25-150*				
Surrogate: M4PFHpA	*74.3*		*"*	*80.0*		*92.8*	*25-150*				
Surrogate: M3PFHxS	*82.4*		*"*	*75.7*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.7*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*86.0*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*86.8*		*"*	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*89.5*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2PFTeDA	*69.8*		*"*	*80.0*		*87.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.9*		*"*	*80.0*		*89.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.5*		*"*	*76.6*		*120*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.5*		*"*	*80.0*		*99.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.1*		*"*	*80.0*		*26.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*87.2*		*"*	*80.0*		*109*	*25-150*				
Surrogate: d5-N-EtFOSAA	*87.0*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M2-6:2 FTS	*87.5*		*"*	*75.9*		*115*	*25-200*				
Surrogate: M2-8:2 FTS	*113*		*"*	*76.6*		*148*	*25-200*				
Surrogate: M9PFNA	*88.3*		*"*	*80.0*		*110*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC22488 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC22488-MS1) Matrix Spike *Source sample: 22C0919-01 (Matrix Spike) Prepared & Analyzed: 03/18/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	71.4	1.85	ng/L	65.6	2.78	105	25-150				
Perfluorohexanoic acid (PFHxA)	76.7	1.85	"	74.1	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	83.9	1.85	"	74.1	ND	113	25-150				
Perfluorohexanesulfonic acid (PFHxS)	77.1	1.85	"	67.4	ND	114	25-150				
Perfluorooctanoic acid (PFOA)	74.8	1.85	"	74.1	ND	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	75.9	1.85	"	68.5	ND	111	25-150				
Perfluorononanoic acid (PFNA)	80.2	1.85	"	74.1	ND	108	25-150				
Perfluorodecanoic acid (PFDA)	72.0	1.85	"	74.1	ND	97.2	25-150				
Perfluoroundecanoic acid (PFUnA)	77.2	1.85	"	74.1	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	81.4	1.85	"	74.1	ND	110	25-150				
Perfluorotridecanoic acid (PFTrDA)	71.9	1.85	"	74.1	ND	97.1	25-150				
Perfluorotetradecanoic acid (PFTA)	79.0	1.85	"	74.1	ND	107	25-150				
N-MeFOSAA	90.2	1.85	"	74.1	ND	122	25-150				
N-EtFOSAA	81.0	1.85	"	74.1	ND	109	25-150				
Perfluoropentanoic acid (PFPeA)	80.4	1.85	"	74.1	ND	108	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	85.2	1.85	"	74.1	113	NR	25-150	Low Bias			
Perfluoro-1-heptanesulfonic acid (PFHpS)	77.6	1.85	"	70.7	ND	110	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	72.4	1.85	"	71.5	ND	101	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.9	4.63	"	70.4	ND	96.5	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.6	1.85	"	71.1	ND	96.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	139	1.85	"	74.1	60.2	106	25-150				
Surrogate: M3PFBS	*63.0*		"	*68.8*		*91.6*	*25-150*				
Surrogate: M5PFHxA	*66.1*		"	*74.1*		*89.2*	*25-150*				
Surrogate: M4PFHpA	*59.3*		"	*74.1*		*80.1*	*25-150*				
Surrogate: M3PFHxS	*61.5*		"	*70.1*		*87.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4*		"	*74.1*		*93.6*	*25-150*				
Surrogate: M6PFDA	*73.6*		"	*74.1*		*99.4*	*25-150*				
Surrogate: M7PFUdA	*68.5*		"	*74.1*		*92.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.1*		"	*74.1*		*94.7*	*25-150*				
Surrogate: M2PFTeDA	*63.2*		"	*74.1*		*85.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*59.8*		"	*74.1*		*80.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.9*		"	*70.9*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.7*		"	*74.1*		*90.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.46*		"	*74.1*		*1.97*	*10-150*				
Surrogate: d3-N-MeFOSAA	*64.9*		"	*74.1*		*87.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*71.8*		"	*74.1*		*96.9*	*25-150*				
Surrogate: M2-6:2 FTS	*84.5*		"	*70.3*		*120*	*25-200*				
Surrogate: M2-8:2 FTS	*76.0*		"	*71.0*		*107*	*25-200*				
Surrogate: M9PFNA	*66.9*		"	*74.1*		*90.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22488 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BC22488-M Matrix Spike Dup	*Source sample: 22C0919-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/18/2022			
Perfluorobutanesulfonic acid (PFBS)	68.0	1.85	ng/L	65.6	2.78	99.5	25-150		4.86	35	
Perfluorohexanoic acid (PFHxA)	71.5	1.85	"	74.1	ND	96.5	25-150		6.99	35	
Perfluoroheptanoic acid (PFHpA)	78.5	1.85	"	74.1	ND	106	25-150		6.65	35	
Perfluorohexanesulfonic acid (PFHxS)	59.0	1.85	"	67.4	ND	87.5	25-150		26.7	35	
Perfluorooctanoic acid (PFOA)	59.5	1.85	"	74.1	ND	80.4	25-150		22.8	35	
Perfluorooctanesulfonic acid (PFOS)	77.4	1.85	"	68.5	ND	113	25-150		1.97	35	
Perfluorononanoic acid (PFNA)	79.1	1.85	"	74.1	ND	107	25-150		1.35	35	
Perfluorodecanoic acid (PFDA)	77.7	1.85	"	74.1	ND	105	25-150		7.60	35	
Perfluoroundecanoic acid (PFUnA)	73.9	1.85	"	74.1	ND	99.7	25-150		4.40	35	
Perfluorododecanoic acid (PFDoA)	75.3	1.85	"	74.1	ND	102	25-150		7.70	35	
Perfluorotridecanoic acid (PFTrDA)	64.3	1.85	"	74.1	ND	86.8	25-150		11.1	35	
Perfluorotetradecanoic acid (PFTA)	78.2	1.85	"	74.1	ND	106	25-150		1.02	35	
N-MeFOSAA	80.0	1.85	"	74.1	ND	108	25-150		12.0	35	
N-EtFOSAA	86.0	1.85	"	74.1	ND	116	25-150		6.01	35	
Perfluoropentanoic acid (PFPeA)	77.6	1.85	"	74.1	ND	105	25-150		3.51	35	
Perfluoro-1-octanesulfonamide (FOSA)	60.8	1.85	"	74.1	113	NR	25-150	Low Bias	33.5	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.0	1.85	"	70.7	ND	105	25-150		4.78	35	
Perfluoro-1-decanesulfonic acid (PFDS)	70.2	1.85	"	71.5	ND	98.2	25-150		3.12	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	56.2	4.63	"	70.4	ND	79.9	25-200		18.8	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	49.1	1.85	"	71.1	ND	69.1	25-200		33.1	35	
Perfluoro-n-butanoic acid (PFBA)	133	1.85	"	74.1	60.2	97.7	25-150		4.42	35	
Surrogate: M3PFBS	*87.1*		"	*68.8*		*127*	*25-150*				
Surrogate: M5PFHxA	*88.9*		"	*74.1*		*120*	*25-150*				
Surrogate: M4PFHpA	*78.6*		"	*74.1*		*106*	*25-150*				
Surrogate: M3PFHxS	*97.0*		"	*70.1*		*138*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*97.5*		"	*74.1*		*132*	*25-150*				
Surrogate: M6PFDA	*90.7*		"	*74.1*		*122*	*25-150*				
Surrogate: M7PFUdA	*92.0*		"	*74.1*		*124*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*101*		"	*74.1*		*137*	*25-150*				
Surrogate: M2PFTeDA	*83.4*		"	*74.1*		*113*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.2*		"	*74.1*		*108*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*96.7*		"	*70.9*		*136*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*85.6*		"	*74.1*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.38*		"	*74.1*		*3.21*	*10-150*				
Surrogate: d3-N-MeFOSAA	*96.7*		"	*74.1*		*131*	*25-150*				
Surrogate: d5-N-EtFOSAA	*97.9*		"	*74.1*		*132*	*25-150*				
Surrogate: M2-6:2 FTS	*118*		"	*70.3*		*167*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		"	*71.0*		*152*	*25-200*				
Surrogate: M9PFNA	*89.3*		"	*74.1*		*121*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22489 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BC22489-BLK1) Blank									Prepared: 03/18/2022 Analyzed: 03/22/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.247	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.247	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.247	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.247	"								
Perfluorooctanoic acid (PFOA)	ND	0.247	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.247	"								
Perfluorononanoic acid (PFNA)	ND	0.247	"								
Perfluorodecanoic acid (PFDA)	ND	0.247	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.247	"								
Perfluorododecanoic acid (PFDoA)	ND	0.247	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.247	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.247	"								
N-MeFOSAA	ND	0.247	"								
N-EtFOSAA	ND	0.247	"								
Perfluoropentanoic acid (PFPeA)	ND	0.247	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.247	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.247	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.247	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.247	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.247	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.247	"								
Surrogate: M3PFBS	*4.57*		"	*4.60*		*99.4*	*25-150*				
Surrogate: M5PFHxA	*5.17*		"	*4.95*		*105*	*25-150*				
Surrogate: M4PFHpA	*4.57*		"	*4.95*		*92.4*	*25-150*				
Surrogate: M3PFHxS	*4.79*		"	*4.68*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.62*		"	*4.95*		*93.5*	*25-150*				
Surrogate: M6PFDA	*4.89*		"	*4.95*		*98.9*	*25-150*				
Surrogate: M7PFUdA	*3.59*		"	*4.95*		*72.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.58*		"	*4.95*		*92.6*	*25-150*				
Surrogate: M2PFTeDA	*3.69*		"	*4.95*		*74.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.44*		"	*4.95*		*89.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.42*		"	*4.73*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.47*		"	*4.95*		*90.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.64*		"	*4.95*		*73.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.22*		"	*4.95*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.63*		"	*4.95*		*93.6*	*25-150*				
Surrogate: M2-6:2 FTS	*6.62*		"	*4.69*		*141*	*25-200*				
Surrogate: M2-8:2 FTS	*6.73*		"	*4.74*		*142*	*25-200*				
Surrogate: M9PFNA	*5.30*		"	*4.95*		*107*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22489 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC22489-BS1) LCS								Prepared: 03/18/2022 Analyzed: 03/22/2022			
Perfluorobutanesulfonic acid (PFBS)	4.09	0.229	ug/kg wet	4.06		101	50-130				
Perfluorohexanoic acid (PFHxA)	4.69	0.229	"	4.58		102	50-130				
Perfluoroheptanoic acid (PFHpA)	5.36	0.229	"	4.58		117	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.84	0.229	"	4.17		116	50-130				
Perfluorooctanoic acid (PFOA)	5.56	0.229	"	4.58		121	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.54	0.229	"	4.24		107	50-130				
Perfluorononanoic acid (PFNA)	4.97	0.229	"	4.58		109	50-130				
Perfluorodecanoic acid (PFDA)	4.60	0.229	"	4.58		100	50-130				
Perfluoroundecanoic acid (PFUnA)	4.51	0.229	"	4.58		98.3	50-130				
Perfluorododecanoic acid (PFDoA)	4.99	0.229	"	4.58		109	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.27	0.229	"	4.58		93.2	50-130				
Perfluorotetradecanoic acid (PFTA)	5.81	0.229	"	4.58		127	50-130				
N-MeFOSAA	5.35	0.229	"	4.58		117	50-130				
N-EtFOSAA	5.02	0.229	"	4.58		109	50-130				
Perfluoropentanoic acid (PFPeA)	4.52	0.229	"	4.58		98.6	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.85	0.229	"	4.58		106	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.39	0.229	"	4.38		100	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.44	0.229	"	4.42		100	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.31	0.229	"	4.35		122	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.34	0.229	"	4.40		98.6	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.79	0.229	"	4.58		105	50-130				
Surrogate: M3PFBS	*4.10*		*"*	*4.26*		*96.2*	*25-150*				
Surrogate: M5PFHxA	*4.16*		*"*	*4.58*		*90.7*	*25-150*				
Surrogate: M4PFHpA	*3.69*		*"*	*4.58*		*80.6*	*25-150*				
Surrogate: M3PFHxS	*3.82*		*"*	*4.34*		*88.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.70*		*"*	*4.58*		*80.7*	*25-150*				
Surrogate: M6PFDA	*4.00*		*"*	*4.58*		*87.3*	*25-150*				
Surrogate: M7PFUdA	*3.80*		*"*	*4.58*		*82.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.02*		*"*	*4.58*		*87.7*	*25-150*				
Surrogate: M2PFTeDA	*2.63*		*"*	*4.58*		*57.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.74*		*"*	*4.58*		*81.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.07*		*"*	*4.39*		*92.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.18*		*"*	*4.58*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.38*		*"*	*4.58*		*73.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.10*		*"*	*4.58*		*89.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.77*		*"*	*4.58*		*82.2*	*25-150*				
Surrogate: M2-6:2 FTS	*5.09*		*"*	*4.35*		*117*	*25-200*				
Surrogate: M2-8:2 FTS	*4.31*		*"*	*4.39*		*98.2*	*25-200*				
Surrogate: M9PFNA	*3.73*		*"*	*4.58*		*81.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22489 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC22489-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)									Prepared: 03/18/2022 Analyzed: 03/22/2022	
Perfluorobutanesulfonic acid (PFBS)	5.90	0.307	ug/kg dry	5.44	ND	108	25-150				
Perfluorohexanoic acid (PFHxA)	6.17	0.307	"	6.15	ND	100	25-150				
Perfluoroheptanoic acid (PFHpA)	7.13	0.307	"	6.15	ND	116	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.59	0.307	"	5.59	ND	118	25-150				
Perfluorooctanoic acid (PFOA)	6.17	0.307	"	6.15	ND	100	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.37	0.307	"	5.68	ND	112	25-150				
Perfluorononanoic acid (PFNA)	6.83	0.307	"	6.15	ND	111	25-150				
Perfluorodecanoic acid (PFDA)	6.52	0.307	"	6.15	ND	106	25-150				
Perfluoroundecanoic acid (PFUnA)	7.05	0.307	"	6.15	ND	115	25-150				
Perfluorododecanoic acid (PFDoA)	7.21	0.307	"	6.15	ND	117	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.75	0.307	"	6.15	ND	93.5	25-150				
Perfluorotetradecanoic acid (PFTA)	6.49	0.307	"	6.15	ND	106	25-150				
N-MeFOSAA	7.29	0.307	"	6.15	ND	119	25-150				
N-EtFOSAA	6.75	0.307	"	6.15	ND	110	25-150				
Perfluoropentanoic acid (PFPeA)	6.29	0.307	"	6.15	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.95	0.307	"	6.15	ND	80.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.41	0.307	"	5.87	ND	92.1	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	6.46	0.307	"	5.93	ND	109	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.66	0.307	"	5.84	ND	79.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.07	0.307	"	5.90	ND	68.9	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.67	0.307	"	6.15	ND	109	25-150				
Surrogate: M3PFBS	*4.80*		*"*	*5.71*		*84.0*	*25-150*				
Surrogate: M5PFHxA	*5.37*		*"*	*6.15*		*87.4*	*25-150*				
Surrogate: M4PFHpA	*4.71*		*"*	*6.15*		*76.6*	*25-150*				
Surrogate: M3PFHxS	*4.54*		*"*	*5.81*		*78.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.37*		*"*	*6.15*		*87.4*	*25-150*				
Surrogate: M6PFDA	*4.88*		*"*	*6.15*		*79.5*	*25-150*				
Surrogate: M7PFUdA	*4.38*		*"*	*6.15*		*71.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.15*		*"*	*6.15*		*83.8*	*25-150*				
Surrogate: M2PFTeDA	*4.02*		*"*	*6.15*		*65.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.66*		*"*	*6.15*		*75.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.22*		*"*	*5.88*		*88.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.02*		*"*	*6.15*		*81.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*5.17*		*"*	*6.15*		*84.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.88*		*"*	*6.15*		*79.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.18*		*"*	*6.15*		*84.3*	*25-150*				
Surrogate: M2-6:2 FTS	*7.69*		*"*	*5.83*		*132*	*25-200*				
Surrogate: M2-8:2 FTS	*6.53*		*"*	*5.89*		*111*	*25-200*				
Surrogate: M9PFNA	*5.01*		*"*	*6.15*		*81.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC22489 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC22489-M Matrix Spike Dup *Source sample: 22C0991-01 (EP14_0.5) Prepared: 03/18/2022 Analyzed: 03/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.33	0.296	ug/kg dry	5.23	ND	102	25-150		10.1	35	
Perfluorohexanoic acid (PFHxA)	7.73	0.296	"	5.91	ND	131	25-150		22.5	35	
Perfluoroheptanoic acid (PFHpA)	6.48	0.296	"	5.91	ND	110	25-150		9.55	35	
Perfluorohexanesulfonic acid (PFHxS)	5.56	0.296	"	5.38	ND	103	25-150		16.8	35	
Perfluorooctanoic acid (PFOA)	6.50	0.296	"	5.91	ND	110	25-150		5.20	35	
Perfluorooctanesulfonic acid (PFOS)	5.81	0.296	"	5.47	ND	106	25-150		9.20	35	
Perfluorononanoic acid (PFNA)	6.15	0.296	"	5.91	ND	104	25-150		10.4	35	
Perfluorodecanoic acid (PFDA)	5.24	0.296	"	5.91	ND	88.5	25-150		21.9	35	
Perfluoroundecanoic acid (PFUnA)	6.27	0.296	"	5.91	ND	106	25-150		11.7	35	
Perfluorododecanoic acid (PFDoA)	6.38	0.296	"	5.91	ND	108	25-150		12.2	35	
Perfluorotridecanoic acid (PFTrDA)	5.43	0.296	"	5.91	ND	91.7	25-150		5.76	35	
Perfluorotetradecanoic acid (PFTA)	6.38	0.296	"	5.91	ND	108	25-150		1.63	35	
N-MeFOSAA	5.69	0.296	"	5.91	ND	96.2	25-150		24.7	35	
N-EtFOSAA	5.27	0.296	"	5.91	ND	89.0	25-150		24.7	35	
Perfluoropentanoic acid (PFPeA)	5.59	0.296	"	5.91	ND	94.4	25-150		11.8	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.03	0.296	"	5.91	ND	85.0	25-150		1.59	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.95	0.296	"	5.65	ND	87.7	25-150		8.71	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.46	0.296	"	5.71	ND	78.2	25-150		36.5	35	Non-dir.
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.50	0.296	"	5.62	ND	116	25-200		32.9	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.25	0.296	"	5.68	ND	110	25-200		42.3	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	5.83	0.296	"	5.91	ND	98.6	25-150		13.4	35	
Surrogate: M3PFBS	*4.64*		"	*5.49*		*84.4*	*25-150*				
Surrogate: M5PFHxA	*4.21*		"	*5.91*		*71.2*	*25-150*				
Surrogate: M4PFHpA	*4.49*		"	*5.91*		*76.0*	*25-150*				
Surrogate: M3PFHxS	*4.96*		"	*5.60*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.46*		"	*5.91*		*75.4*	*25-150*				
Surrogate: M6PFDA	*5.49*		"	*5.91*		*92.8*	*25-150*				
Surrogate: M7PFUdA	*4.38*		"	*5.91*		*74.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.47*		"	*5.91*		*75.5*	*25-150*				
Surrogate: M2PFTeDA	*3.69*		"	*5.91*		*62.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.82*		"	*5.91*		*81.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.37*		"	*5.66*		*94.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.22*		"	*5.91*		*88.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.77*		"	*5.91*		*80.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.12*		"	*5.91*		*86.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.48*		"	*5.91*		*92.7*	*25-150*				
Surrogate: M2-6:2 FTS	*5.22*		"	*5.61*		*93.0*	*25-200*				
Surrogate: M2-8:2 FTS	*4.89*		"	*5.67*		*86.4*	*25-200*				
Surrogate: M9PFNA	*4.66*		"	*5.91*		*78.8*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22453 - EPA SW846-3510C Low Level											
Blank (BC22453-BLK1) Blank								Prepared: 03/18/2022 Analyzed: 03/21/2022			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.147*		*"*	*0.200*		*73.7*	*30-150*				
LCS (BC22453-BS1) LCS								Prepared: 03/18/2022 Analyzed: 03/21/2022			
4,4'-DDD	0.143	0.00400	ug/L	0.100		143	40-140	High Bias			
4,4'-DDE	0.129	0.00400	"	0.100		129	40-140				
4,4'-DDT	0.157	0.00400	"	0.100		157	40-140	High Bias			
Aldrin	0.131	0.00400	"	0.100		131	40-140				
alpha-BHC	0.162	0.00400	"	0.100		162	40-140	High Bias			
alpha-Chlordane	0.139	0.00400	"	0.100		139	40-140				
beta-BHC	0.143	0.00400	"	0.100		143	40-140	High Bias			
delta-BHC	0.143	0.00400	"	0.100		143	40-140	High Bias			
Dieldrin	0.146	0.00200	"	0.100		146	40-140	High Bias			
Endosulfan I	0.137	0.00400	"	0.100		137	40-140				
Endosulfan II	0.134	0.00400	"	0.100		134	40-140				
Endosulfan sulfate	0.107	0.00400	"	0.100		107	40-140				
Endrin	0.157	0.00400	"	0.100		157	40-140	High Bias			
Endrin aldehyde	0.129	0.0100	"	0.100		129	40-140				
Endrin ketone	0.160	0.0100	"	0.100		160	40-140	High Bias			
gamma-BHC (Lindane)	0.164	0.00400	"	0.100		164	40-140	High Bias			
gamma-Chlordane	0.146	0.0100	"	0.100		146	40-140	High Bias			
Heptachlor	0.164	0.00400	"	0.100		164	40-140	High Bias			
Heptachlor epoxide	0.142	0.00400	"	0.100		142	40-140	High Bias			
Methoxychlor	0.167	0.00400	"	0.100		167	40-140	High Bias			
Surrogate: Tetrachloro-m-xylene	*0.144*		*"*	*0.200*		*71.9*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22453 - EPA SW846-3510C Low Level											
LCS Dup (BC22453-BSD1) LCS Dup									Prepared: 03/18/2022 Analyzed: 03/21/2022		
4,4'-DDD	0.155	0.00400	ug/L	0.100		155	40-140	High Bias	7.90	20	
4,4'-DDE	0.139	0.00400	"	0.100		139	40-140		7.18	20	
4,4'-DDT	0.162	0.00400	"	0.100		162	40-140	High Bias	2.93	20	
Aldrin	0.136	0.00400	"	0.100		136	40-140		3.66	20	
alpha-BHC	0.164	0.00400	"	0.100		164	40-140	High Bias	0.993	20	
alpha-Chlordane	0.145	0.00400	"	0.100		145	40-140	High Bias	4.66	20	
beta-BHC	0.145	0.00400	"	0.100		145	40-140	High Bias	1.11	20	
delta-BHC	0.147	0.00400	"	0.100		147	40-140	High Bias	2.75	20	
Dieldrin	0.151	0.00200	"	0.100		151	40-140	High Bias	3.90	20	
Endosulfan I	0.148	0.00400	"	0.100		148	40-140	High Bias	7.24	20	
Endosulfan II	0.140	0.00400	"	0.100		140	40-140		4.37	20	
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140		2.65	20	
Endrin	0.170	0.00400	"	0.100		170	40-140	High Bias	7.98	20	
Endrin aldehyde	0.132	0.0100	"	0.100		132	40-140		2.42	20	
Endrin ketone	0.161	0.0100	"	0.100		161	40-140	High Bias	0.486	20	
gamma-BHC (Lindane)	0.171	0.00400	"	0.100		171	40-140	High Bias	3.93	20	
gamma-Chlordane	0.151	0.0100	"	0.100		151	40-140	High Bias	3.19	20	
Heptachlor	0.173	0.00400	"	0.100		173	40-140	High Bias	5.47	20	
Heptachlor epoxide	0.150	0.00400	"	0.100		150	40-140	High Bias	5.43	20	
Methoxychlor	0.181	0.00400	"	0.100		181	40-140	High Bias	8.27	20	
Surrogate: Tetrachloro-m-xylene	*0.160*		*"*	*0.200*		*80.0*	*30-150*				
Batch BC22496 - EPA 3550C											
Blank (BC22496-BLK1) Blank									Prepared: 03/18/2022 Analyzed: 03/21/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0687*		*"*	*0.0664*		*103*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0620*		*"*	*0.0664*		*93.4*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22496 - EPA 3550C											
LCS (BC22496-BS1) LCS								Prepared: 03/18/2022 Analyzed: 03/21/2022			
4,4'-DDD	0.0432	0.00164	mg/kg wet	0.0332		130	40-140				
4,4'-DDE	0.0336	0.00164	"	0.0332		101	40-140				
4,4'-DDT	0.0170	0.00164	"	0.0332		51.0	40-140				
Aldrin	0.0458	0.00164	"	0.0332		138	40-140				
alpha-BHC	0.0462	0.00164	"	0.0332		139	40-140				
alpha-Chlordane	0.0434	0.00164	"	0.0332		131	40-140				
beta-BHC	0.0431	0.00164	"	0.0332		130	40-140				
delta-BHC	0.0409	0.00164	"	0.0332		123	40-140				
Dieldrin	0.0421	0.00164	"	0.0332		127	40-140				
Endosulfan I	0.0459	0.00164	"	0.0332		138	40-140				
Endosulfan II	0.0406	0.00164	"	0.0332		122	40-140				
Endosulfan sulfate	0.0351	0.00164	"	0.0332		106	40-140				
Endrin	0.0349	0.00164	"	0.0332		105	40-140				
Endrin aldehyde	0.0497	0.00164	"	0.0332		150	40-140	High Bias			
Endrin ketone	0.0457	0.00164	"	0.0332		138	40-140				
gamma-BHC (Lindane)	0.0461	0.00164	"	0.0332		139	40-140				
gamma-Chlordane	0.0436	0.00164	"	0.0332		131	40-140				
Heptachlor	0.0392	0.00164	"	0.0332		118	40-140				
Heptachlor epoxide	0.0448	0.00164	"	0.0332		135	40-140				
Methoxychlor	0.0247	0.00164	"	0.0332		74.3	40-140				
Surrogate: Decachlorobiphenyl	*0.0608*		*"*	*0.0664*		*91.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0541*		*"*	*0.0664*		*81.4*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22453 - EPA SW846-3510C Low Level											
Blank (BC22453-BLK2) Blank								Prepared & Analyzed: 03/18/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.157*		"	*0.200*		*78.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		"	*0.200*		*62.5*	*30-120*				
LCS (BC22453-BS2) LCS								Prepared & Analyzed: 03/18/2022			
Aroclor 1016	0.825	0.0500	ug/L	1.00		82.5	40-120				
Aroclor 1260	0.808	0.0500	"	1.00		80.8	40-120				
Surrogate: Tetrachloro-m-xylene	*0.136*		"	*0.200*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.114*		"	*0.200*		*57.0*	*30-120*				
LCS Dup (BC22453-BSD2) LCS Dup								Prepared & Analyzed: 03/18/2022			
Aroclor 1016	0.825	0.0500	ug/L	1.00		82.5	40-120		0.0242	30	
Aroclor 1260	0.831	0.0500	"	1.00		83.1	40-120		2.83	30	
Surrogate: Tetrachloro-m-xylene	*0.136*		"	*0.200*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.116*		"	*0.200*		*58.0*	*30-120*				
Batch BC22496 - EPA 3550C											
Blank (BC22496-BLK2) Blank								Prepared: 03/18/2022 Analyzed: 03/21/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0621*		"	*0.0664*		*93.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0482*		"	*0.0664*		*72.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22496 - EPA 3550C											
LCS (BC22496-BS2) LCS									Prepared: 03/18/2022 Analyzed: 03/21/2022		
Aroclor 1016	0.322	0.0166	mg/kg wet	0.332		97.0	40-140			30	
Aroclor 1260	0.320	0.0166	"	0.332		96.2	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0601*		"	*0.0664*		*90.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0545*		"	*0.0664*		*82.0*	*30-150*				
Matrix Spike (BC22496-MS2) Matrix Spike *Source sample: 22C0991-01 (EP14_0.5)									Prepared: 03/18/2022 Analyzed: 03/23/2022		
Aroclor 1016	0.445	0.0209	mg/kg dry	0.417	ND	107	40-140			30	
Aroclor 1260	0.447	0.0209	"	0.417	ND	107	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0793*		"	*0.0835*		*95.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0747*		"	*0.0835*		*89.5*	*30-150*				
Matrix Spike Dup (BC22496-M Matrix Spike Dup *Source sample: 22C0991-01 (EP14_0.5)									Prepared: 03/18/2022 Analyzed: 03/23/2022		
Aroclor 1016	0.437	0.0209	mg/kg dry	0.417	ND	105	40-140		1.86	30	
Aroclor 1260	0.449	0.0209	"	0.417	ND	108	40-140		0.559	30	
Surrogate: Tetrachloro-m-xylene	*0.0785*		"	*0.0835*		*94.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0760*		"	*0.0835*		*91.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22454 - EPA 3550C/8151A											
Blank (BC22454-BLK1) Blank								Prepared & Analyzed: 03/18/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.300*		*"*	*0.415*		*72.2*	*21-150*				
LCS (BC22454-BS1) LCS								Prepared & Analyzed: 03/18/2022			
2,4,5-T	0.101	0.0199	mg/kg wet	0.133		76.2	10-120				
2,4,5-TP (Silvex)	0.104	0.0199	"	0.133		78.1	10-120				
2,4-D	0.121	0.0199	"	0.133		91.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.325*		*"*	*0.415*		*78.2*	*21-150*				
Matrix Spike (BC22454-MS1) Matrix Spike *Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022			
2,4,5-T	0.112	0.0250	mg/kg dry	0.167	ND	66.9	10-120				
2,4,5-TP (Silvex)	0.140	0.0250	"	0.167	ND	83.8	10-120				
2,4-D	0.138	0.0250	"	0.167	ND	82.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.392*		*"*	*0.522*		*75.2*	*21-150*				
Matrix Spike Dup (BC22454-M Matrix Spike Dup *Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022			
2,4,5-T	0.139	0.0250	mg/kg dry	0.167	ND	83.1	10-120		21.7	35	
2,4,5-TP (Silvex)	0.142	0.0250	"	0.167	ND	85.0	10-120		1.48	35	
2,4-D	0.164	0.0250	"	0.167	ND	98.1	10-118		17.3	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.416*		*"*	*0.522*		*79.8*	*21-150*				
Batch BC22544 - EPA 8151A											
Blank (BC22544-BLK1) Blank								Prepared & Analyzed: 03/21/2022			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*82.2*		*"*	*125*		*65.8*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22544 - EPA 8151A											
LCS (BC22544-BS1) LCS							Prepared & Analyzed: 03/21/2022				
2,4,5-T	24.0	5.00	ug/L	40.0		60.0	10-140				
2,4,5-TP (Silvex)	23.0	5.00	"	40.0		57.5	10-139				
2,4-D	29.0	5.00	"	40.0		72.5	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*76.0*		*"*	*125*		*60.8*	*30-150*				
LCS Dup (BC22544-BSD1) LCS Dup							Prepared & Analyzed: 03/21/2022				
2,4,5-T	27.0	5.00	ug/L	40.0		67.5	10-140		11.8	30	
2,4,5-TP (Silvex)	25.8	5.00	"	40.0		64.4	10-139		11.3	30	
2,4-D	33.0	5.00	"	40.0		82.5	10-140		12.9	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*84.2*		*"*	*125*		*67.4*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22519 - EPA 3050B											
Blank (BC22519-BLK1) Blank									Prepared: 03/18/2022 Analyzed: 03/21/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	0.673	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC22519-DUP1) Duplicate *Source sample: 22C0991-01 (EP14_0.5)									Prepared: 03/18/2022 Analyzed: 03/21/2022		
Aluminum	8440	6.28	mg/kg dry		11000				26.6	35	
Antimony	ND	3.14	"		3.75					35	
Arsenic	ND	1.88	"		ND					35	
Barium	47.6	3.14	"		68.5				36.0	35	Non-dir.
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.377	"		ND					35	
Calcium	2010	6.28	"		2650				27.5	35	
Chromium	40.7	0.628	"		48.5				17.5	35	
Cobalt	15.3	0.503	"		19.2				22.4	35	
Copper	24.8	2.51	"		33.3				29.4	35	
Iron	21600	31.4	"		26700				20.9	35	
Lead	12.4	0.628	"		11.7				5.42	35	
Magnesium	7520	6.28	"		9500				23.3	35	
Manganese	349	0.628	"		504				36.4	35	Non-dir.
Nickel	215	1.26	"		295				31.4	35	
Potassium	1910	6.28	"		2500				26.6	35	
Selenium	ND	3.14	"		ND					35	
Silver	ND	0.628	"		ND					35	
Sodium	152	62.8	"		265				54.5	35	Non-dir.
Thallium	ND	3.14	"		ND					35	
Vanadium	27.9	1.26	"		31.6				12.3	35	
Zinc	38.8	3.14	"		50.8				26.8	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22519 - EPA 3050B											
Matrix Spike (BC22519-MS1) Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/21/2022			
Aluminum	9950	6.28	mg/kg dry	251	11000	NR	75-125	Low Bias			
Antimony	12.8	3.14	"	31.4	3.75	28.9	75-125	Low Bias			
Arsenic	250	1.88	"	251	ND	99.4	75-125				
Barium	315	3.14	"	251	68.5	98.3	75-125				
Beryllium	5.97	0.063	"	6.28	ND	95.0	75-125				
Cadmium	5.43	0.377	"	6.28	ND	86.4	75-125				
Calcium	2350	6.28	"	126	2650	NR	75-125	Low Bias			
Chromium	81.5	0.628	"	25.1	48.5	131	75-125	High Bias			
Cobalt	84.2	0.503	"	62.8	19.2	104	75-125				
Copper	65.3	2.51	"	31.4	33.3	102	75-125				
Iron	26700	31.4	"	126	26700	33.7	75-125	Low Bias			
Lead	75.6	0.628	"	62.8	11.7	102	75-125				
Magnesium	8560	6.28	"	126	9500	NR	75-125	Low Bias			
Manganese	452	0.628	"	62.8	504	NR	75-125	Low Bias			
Nickel	391	1.26	"	62.8	295	152	75-125	High Bias			
Potassium	2040	6.28	"	126	2500	NR	75-125	Low Bias			
Selenium	189	3.14	"	251	ND	75.3	75-125				
Silver	5.35	0.628	"	6.28	ND	85.2	75-125				
Sodium	298	62.8	"	126	265	26.4	75-125	Low Bias			
Thallium	232	3.14	"	251	ND	92.5	75-125				
Vanadium	92.3	1.26	"	62.8	31.6	96.6	75-125				
Zinc	103	3.14	"	62.8	50.8	83.8	75-125				
Post Spike (BC22519-PS1) Post Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/21/2022			
Aluminum	77.1		ug/mL	2.00	87.8	NR	75-125	Low Bias			
Antimony	0.309		"	0.250	0.030	112	75-125				
Arsenic	2.18		"	2.00	0.009	109	75-125				
Barium	2.86		"	2.00	0.545	116	75-125				
Beryllium	0.054		"	0.0500	-0.002	108	75-125				
Cadmium	0.054		"	0.0500	-0.006	108	75-125				
Calcium	19.0		"	1.00	21.1	NR	75-125	Low Bias			
Chromium	0.593		"	0.200	0.386	104	75-125				
Cobalt	0.720		"	0.500	0.152	114	75-125				
Copper	0.571		"	0.250	0.265	122	75-125				
Iron	181		"	1.00	212	NR	75-125	Low Bias			
Lead	0.673		"	0.500	0.093	116	75-125				
Magnesium	65.2		"	1.00	75.6	NR	75-125	Low Bias			
Manganese	4.54		"	0.500	4.01	106	75-125				
Nickel	2.84		"	0.500	2.35	98.2	75-125				
Potassium	18.0		"	1.00	19.9	NR	75-125	Low Bias			
Selenium	1.71		"	2.00	-0.184	85.5	75-125				
Silver	0.019		"	0.0500	-0.006	38.8	75-125	Low Bias			
Sodium	2.68		"	1.00	2.11	56.6	75-125	Low Bias			
Thallium	2.04		"	2.00	-0.044	102	75-125				
Vanadium	0.801		"	0.500	0.251	110	75-125				
Zinc	0.953		"	0.500	0.404	110	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22519 - EPA 3050B											
Reference (BC22519-SRM1) Reference								Prepared: 03/18/2022 Analyzed: 03/21/2022			
Aluminum	10900	5.00	mg/kg wet	10100		108	39.5-118.8				
Antimony	75.5	2.50	"	244		30.9	10-123				
Arsenic	110	1.50	"	109		101	63.7-118.3				
Barium	385	2.50	"	364		106	70.3-117				
Beryllium	58.0	0.050	"	57.0		102	69.3-115.4				
Cadmium	48.1	0.300	"	48.7		98.7	67.8-112.9				
Calcium	5280	5.00	"	5190		102	66.3-116.6				
Chromium	178	0.500	"	173		103	65.3-120.8				
Cobalt	159	0.400	"	148		108	70.3-117.6				
Copper	210	2.00	"	179		117	70.9-117.9				
Iron	16400	25.0	"	15000		109	36.8-162.7				
Lead	108	0.500	"	101		107	69.1-126.7				
Magnesium	2740	5.00	"	2570		107	56.4-124.9				
Manganese	401	0.500	"	370		108	72.2-119.2				
Nickel	71.2	1.00	"	52.2		136	63.4-117.8	High Bias			
Potassium	2630	5.00	"	2420		109	49.6-118.6				
Selenium	66.3	2.50	"	104		63.7	58.5-122.1				
Silver	27.4	0.500	"	29.9		91.6	63.5-123.7				
Sodium	161	50.0	"	161		99.9	30.1-139.1				
Thallium	89.2	2.50	"	101		88.3	59.8-120.8				
Vanadium	197	1.00	"	194		101	73.2-117				
Zinc	436	2.50	"	431		101	74.9-121.1				
Batch BC22568 - EPA 3015A											
Blank (BC22568-BLK1) Blank								Prepared & Analyzed: 03/21/2022			
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	0.0229	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	0.00592	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	0.0413	0.0278	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22568 - EPA 3015A											
LCS (BC22568-BS1) LCS								Prepared & Analyzed: 03/21/2022			
Aluminum	2.13		ug/mL	2.00		107	80-120				
Barium	2.18		"	2.00		109	80-120				
Calcium	1.39		"	1.00		139	80-120	High Bias			
Chromium	0.214		"	0.200		107	80-120				
Cobalt	0.538		"	0.500		108	80-120				
Copper	0.297		"	0.250		119	80-120				
Iron	1.10		"	1.00		110	80-120				
Lead	0.563		"	0.500		113	80-120				
Magnesium	1.10		"	1.00		110	80-120				
Manganese	0.544		"	0.500		109	80-120				
Nickel	0.545		"	0.500		109	80-120				
Potassium	0.962		"	1.00		96.2	80-120				
Silver	0.0464		"	0.0500		92.9	80-120				
Sodium	0.994		"	1.00		99.4	80-120				
Vanadium	0.519		"	0.500		104	80-120				
Zinc	0.550		"	0.500		110	80-120				
Duplicate (BC22568-DUP1) Duplicate	*Source sample: 22C0847-01 (Duplicate)							Prepared & Analyzed: 03/21/2022			
Aluminum	3.46	0.0556	mg/L		3.13				10.2	20	
Barium	0.119	0.0278	"		0.117				2.02	20	
Calcium	35.1	0.0556	"		37.1				5.37	20	
Chromium	0.0261	0.00556	"		0.0250				4.59	20	
Cobalt	0.00646	0.00444	"		0.00617				4.58	20	
Copper	0.490	0.0222	"		0.479				2.38	20	
Iron	7.68	0.278	"		6.23				20.8	20	Non-dir.
Lead	0.432	0.00556	"		0.424				1.74	20	
Magnesium	4.16	0.0556	"		4.16				0.00467	20	
Manganese	0.205	0.00556	"		0.198				3.54	20	
Nickel	0.0121	0.0111	"		ND					20	
Potassium	7.89	0.0556	"		8.07				2.22	20	
Silver	ND	0.00556	"		ND					20	
Sodium	18.4	0.556	"		19.4				5.10	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	1.15	0.0278	"		1.13				1.84	20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22568 - EPA 3015A											
Matrix Spike (BC22568-MS1) Matrix Spike	*Source sample: 22C0847-01 (Matrix Spike)							Prepared & Analyzed: 03/21/2022			
Aluminum	4.04	0.0556	mg/L	2.22	3.13	41.0	75-125	Low Bias			
Barium	2.47	0.0278	"	2.22	0.117	106	75-125				
Calcium	26.0	0.0556	"	1.11	37.1	NR	75-125	Low Bias			
Chromium	0.248	0.00556	"	0.222	0.0250	100	75-125				
Cobalt	0.596	0.00444	"	0.556	0.00617	106	75-125				
Copper	0.773	0.0222	"	0.278	0.479	106	75-125				
Iron	4.42	0.278	"	1.11	6.23	NR	75-125	Low Bias			
Lead	0.983	0.00556	"	0.556	0.424	100	75-125				
Magnesium	3.95	0.0556	"	1.11	4.16	NR	75-125	Low Bias			
Manganese	0.779	0.00556	"	0.556	0.198	105	75-125				
Nickel	0.596	0.0111	"	0.556	ND	107	75-125				
Potassium	6.42	0.0556	"	1.11	8.07	NR	75-125	Low Bias			
Silver	0.0535	0.00556	"	0.0556	ND	96.4	75-125				
Sodium	14.3	0.556	"	1.11	19.4	NR	75-125	Low Bias			
Vanadium	0.594	0.0111	"	0.556	ND	107	75-125				
Zinc	1.59	0.0278	"	0.556	1.13	83.3	75-125				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22569 - EPA 3015A											
Blank (BC22569-BLK1) Blank								Prepared & Analyzed: 03/21/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	0.00185	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BC22569-BS1) LCS								Prepared & Analyzed: 03/21/2022			
Antimony	47.0		ug/L	50.0		94.0	80-120				
Arsenic	52.3		"	50.0		105	80-120				
Beryllium	48.1		"	50.0		96.2	80-120				
Cadmium	54.4		"	50.0		109	80-120				
Selenium	48.3		"	50.0		96.5	80-120				
Thallium	52.8		"	50.0		106	80-120				
Duplicate (BC22569-DUP1) Duplicate *Source sample: 22C1040-04 (Duplicate)								Prepared & Analyzed: 03/21/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	ND	0.00111	"		ND					20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00278	0.00111	"		0.00188				38.7	20	Non-dir.
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BC22569-MS1) Matrix Spike *Source sample: 22C1040-04 (Matrix Spike)								Prepared & Analyzed: 03/21/2022			
Antimony	46.0		ug/L	50.0	0.190	91.5	75-125				
Arsenic	50.9		"	50.0	0.069	102	75-125				
Beryllium	52.5		"	50.0	0.004	105	75-125				
Cadmium	53.6		"	50.0	0.008	107	75-125				
Selenium	48.9		"	50.0	1.69	94.4	75-125				
Thallium	52.4		"	50.0	0.006	105	75-125				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22523 - EPA SW846-7470A												
Blank (BC22523-BLK1)	Blank								Prepared & Analyzed: 03/18/2022			
Mercury		ND	0.0002	mg/L								
LCS (BC22523-BS1)	LCS								Prepared & Analyzed: 03/18/2022			
Mercury		0.0021050	0.0002	mg/L	0.00200		105	80-120				
LCS (BC22523-BS2)	LCS								Prepared & Analyzed: 03/18/2022			
Mercury		0.0021363	0.0002	mg/L	0.00200		107	80-120				
Batch BC22533 - EPA 7473 soil												
Blank (BC22533-BLK1)	Blank								Prepared: 03/18/2022 Analyzed: 03/21/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BC22533-DUP1)	Duplicate	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/21/2022			
Mercury		ND	0.0377	mg/kg dry		ND					35	
Matrix Spike (BC22533-MS1)	Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared: 03/18/2022 Analyzed: 03/21/2022			
Mercury		0.493		mg/kg	0.500	0.0181	94.9	75-125				
Reference (BC22533-SRM1)	Reference								Prepared: 03/18/2022 Analyzed: 03/21/2022			
Mercury		24.687		mg/kg	27.2		90.8	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22448 - Analysis Preparation												
Blank (BC22448-BLK1)	Blank									Prepared & Analyzed: 03/17/2022		
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BC22448-BS1)	LCS									Prepared & Analyzed: 03/17/2022		
Chromium, Hexavalent		0.501	0.0100	mg/L	0.500		100	80-120				
Duplicate (BC22448-DUP1)	Duplicate	*Source sample: 22C1006-06 (Duplicate)								Prepared & Analyzed: 03/17/2022		
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BC22448-MS1)	Matrix Spike	*Source sample: 22C1006-06 (Matrix Spike)								Prepared & Analyzed: 03/17/2022		
Chromium, Hexavalent		0.494	0.0100	mg/L	0.500	ND	98.8	75-125				
Batch BC22459 - Analysis Preparation Soil												
Blank (BC22459-BLK1)	Blank									Prepared & Analyzed: 03/18/2022		
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC22459-DUP1)	Duplicate	*Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022		
Cyanide, total		ND	0.628	mg/kg dry		ND					15	
Matrix Spike (BC22459-MS1)	Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)								Prepared & Analyzed: 03/18/2022		
Cyanide, total		9.76	0.628	mg/kg dry	12.6	ND	77.7	79.6-107	Low Bias			
Reference (BC22459-SRM1)	Reference									Prepared & Analyzed: 03/18/2022		
Cyanide, total		88.7		ug/mL	86.8		102	41.82-157.83				
Batch BC22551 - Analysis Preparation												
Blank (BC22551-BLK1)	Blank									Prepared & Analyzed: 03/21/2022		
Cyanide, total		ND	0.0100	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22551 - Analysis Preparation												
LCS (BC22551-BS1)	LCS								Prepared & Analyzed: 03/21/2022			
Cyanide, total		0.181	0.0100	mg/L	0.200		90.4	80-120				
Duplicate (BC22551-DUP1)	Duplicate	*Source sample: 22C0991-04 (FB05_03172022)							Prepared & Analyzed: 03/21/2022			
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BC22551-MS1)	Matrix Spike	*Source sample: 22C0991-04 (FB05_03172022)							Prepared & Analyzed: 03/21/2022			
Cyanide, total		0.177	0.0100	mg/L	0.200	ND	88.7	79-105				
Batch BC22561 - EPA SW846-3060												
Blank (BC22561-BLK1)	Blank								Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC22561-DUP1)	Duplicate	*Source sample: 22C0838-07 (Duplicate)							Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		ND	0.566	mg/kg dry		ND					35	
Duplicate (BC22561-DUP2)	Duplicate	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		ND	0.628	mg/kg dry		ND					35	
Matrix Spike (BC22561-MS1)	Matrix Spike	*Source sample: 22C0838-07 (Matrix Spike)							Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		11.6	0.566	mg/kg dry	22.7	ND	51.4	75-125	Low Bias			
Matrix Spike (BC22561-MS2)	Matrix Spike	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		10.6	0.628	mg/kg dry	25.1	ND	42.2	75-125	Low Bias			
Reference (BC22561-SRM1)	Reference								Prepared & Analyzed: 03/21/2022			
Chromium, Hexavalent		73.6		mg/L	109		67.6	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22590 - % Solids Prep											
Duplicate (BC22590-DUP1) Duplicate	*Source sample: 22C0991-01 (EP14_0.5)							Prepared & Analyzed: 03/21/2022			
% Solids	79.2	0.100	%		79.6				0.539	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0991-01	EP14_0.5	40mL Vial with Stir Bar-Cool 4° C
22C0991-02	EP05_0.5	40mL Vial with Stir Bar-Cool 4° C
22C0991-03	DUP05_03172022	40mL Vial with Stir Bar-Cool 4° C
22C0991-04	FB05_03172022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C0991-06	TB05_03172022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0991

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seamon	Contact:	Contact:
E-mail: Kseamon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP14-0.5	S	3/17/22 0830	Tal/Part 375 VOCs, SVOCs, PCBs, Pesticides,	MS/MSD
EP05-0.5	↓	0840	herbicides, metals including cyanide, hex &	
DUP05-03172022	↓	↓	trivalent chromium, PFAS's, 1-4 dioxane	
FB05-03172022	other AQ	3/17/22 1053		
FB01-PFAS-03172022	↓	0947	PFAS	
TB05-03172022	↓	1041	VOC's	

Comments: Please include lesmail@langan.com, marsonica@langan.com for all correspondence.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	3/17/22 1247	Mail to York Labs	3/17/22 1250	Mail to York Labs	3/17/22 1501
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Ivan B	3/17/22 1501	Ivan B	3/17/22 1933		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlackman	3/17/22 1933 / 2.5 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 03/28/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1213

Report Date: 03/28/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1213

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 22, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C1213-01	EP55_0.5	Soil	03/22/2022	03/22/2022
22C1213-02	EP28_0.5	Soil	03/22/2022	03/22/2022
22C1213-03	EP13_5.5	Soil	03/22/2022	03/22/2022
22C1213-04	EP15_5.5	Soil	03/22/2022	03/22/2022
22C1213-05	EP03_5.5	Soil	03/22/2022	03/22/2022
22C1213-06	FB01_PFAS_03222022	Water	03/22/2022	03/22/2022

General Notes for York Project (SDG) No.: 22C1213

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 03/28/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.077	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0039**		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**	CCV-E	mg/kg dry	0.0039	0.0077	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0086**		mg/kg dry	0.0039	0.0077	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0077	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0039	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C	03/23/2022 06:12	03/23/2022 16:53	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.0614**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.0540**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	03/23/2022 07:17	03/23/2022 21:48	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*66.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*62.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*82.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*65.8 %*	*24-116*

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/23/2022 12:31	03/24/2022 11:42	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 21:53	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.7 %*	*25-150*
Surrogate: M5PFHxA	*83.7 %*	*25-150*
Surrogate: M4PFHpA	*67.3 %*	*25-150*
Surrogate: M3PFHxS	*75.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*73.9 %*	*25-150*
Surrogate: M6PFDA	*80.6 %*	*25-150*
Surrogate: M7PFUdA	*61.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*66.9 %*	*25-150*
Surrogate: M2PFTeDA	*58.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*77.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*70.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*70.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*101 %*	*25-200*
Surrogate: M9PFNA	*75.8 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:03	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:03	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:03	CM

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0366	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:03	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*94.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*93.2 %*	*30-150*

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:41	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*96.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0219	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*80.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3750**		mg/kg dry	5.61	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**4.37**		mg/kg dry	2.80	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**22.8**		mg/kg dry	2.80	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.074**		mg/kg dry	0.056	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.336	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1270**	B	mg/kg dry	5.61	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**64.3**		mg/kg dry	0.561	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.9**		mg/kg dry	0.448	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**19.7**		mg/kg dry	2.24	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20200**		mg/kg dry	28.0	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.95**		mg/kg dry	0.561	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4970**		mg/kg dry	5.61	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**236**		mg/kg dry	0.561	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**186**		mg/kg dry	1.12	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**743**		mg/kg dry	5.61	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**112**		mg/kg dry	56.1	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**15.5**		mg/kg dry	1.12	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**18.4**		mg/kg dry	2.80	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:30	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP55_0.5 **York Sample ID:** 22C1213-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 9:26 am	03/22/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0584**		mg/kg dry	0.0336	1	EPA 7473	03/23/2022 12:56	03/23/2022 18:27	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.561	1	EPA 7196A	03/23/2022 09:10	03/24/2022 17:52	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**64.3**		mg/kg	0.500	1	Calculation	03/24/2022 14:58	03/24/2022 18:49	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.561	1	EPA 9014/9010C	03/23/2022 09:02	03/23/2022 15:16	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.2**		%	0.100	1	SM 2540G	03/23/2022 14:57	03/23/2022 18:29	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP28_0.5** **York Sample ID:** **22C1213-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0022**	J	mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0072**	CCV-E, J	mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0073**	J	mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	03/23/2022 06:12	03/23/2022 17:19	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0939	0.187	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0470	0.0939	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	03/23/2022 07:17	03/24/2022 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*56.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*59.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*60.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.0 %*	*24-116*

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/23/2022 12:31	03/24/2022 11:59	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	03/22/2022 15:57	03/25/2022 22:05	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.6 %*	*25-150*
Surrogate: M5PFHxA	*84.7 %*	*25-150*
Surrogate: M4PFHpA	*69.3 %*	*25-150*
Surrogate: M3PFHxS	*70.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.1 %*	*25-150*
Surrogate: M6PFDA	*70.4 %*	*25-150*
Surrogate: M7PFUdA	*68.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*70.6 %*	*25-150*
Surrogate: M2PFTeDA	*48.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*78.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*78.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*74.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*117 %*	*25-200*
Surrogate: M2-8:2 FTS	*84.1 %*	*25-200*
Surrogate: M9PFNA	*81.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:19	03/24/2022 10:20	CM

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.186	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B	03/23/2022 07:19	03/24/2022 10:20	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*76.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.1 %*	*30-150*

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A	03/23/2022 07:19	03/23/2022 23:55	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0228	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A	03/23/2022 07:22	03/23/2022 21:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*82.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6390**		mg/kg dry	5.72	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**43.5**		mg/kg dry	2.86	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1570**	B	mg/kg dry	5.72	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.9**		mg/kg dry	0.572	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.05**		mg/kg dry	0.458	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**30.6**		mg/kg dry	2.29	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12700**		mg/kg dry	28.6	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**15.4**		mg/kg dry	0.572	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3280**		mg/kg dry	5.72	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**215**		mg/kg dry	0.572	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**87.8**		mg/kg dry	1.14	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1130**		mg/kg dry	5.72	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**140**		mg/kg dry	57.2	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.6**		mg/kg dry	1.14	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**25.6**		mg/kg dry	2.86	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP28_0.5 **York Sample ID:** 22C1213-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 11:30 am	03/22/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	1	EPA 7473	03/23/2022 12:56	03/23/2022 18:36	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.572	1	EPA 7196A	03/23/2022 09:10	03/24/2022 17:52	JAG
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.9**		mg/kg	0.500	1	Calculation	03/24/2022 14:58	03/24/2022 18:49	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.572	1	EPA 9014/9010C	03/23/2022 09:02	03/23/2022 15:16	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.4**		%	0.100	1	SM 2540G	03/23/2022 14:57	03/23/2022 18:29	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP13_5.5 **York Sample ID:** 22C1213-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 10:07 am	03/22/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**212**		mg/kg dry	1.26	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.7**		%	0.100	1	SM 2540G	03/23/2022 14:57	03/23/2022 18:29	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP15_5.5 **York Sample ID:** 22C1213-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 10:10 am	03/22/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**284**		mg/kg dry	1.16	1	EPA 6010D	03/23/2022 20:08	03/24/2022 15:37	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.4**		%	0.100	1	SM 2540G	03/23/2022 14:57	03/23/2022 18:29	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP03_5.5 **York Sample ID:** 22C1213-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Soil	March 22, 2022 12:30 pm	03/22/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	Chrysene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D	03/23/2022 07:17	03/24/2022 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*73.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.5 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*58.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.7**		%	0.100	1	SM 2540G	03/23/2022 14:57	03/23/2022 18:29	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_03222022** **York Sample ID:** **22C1213-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Water	March 22, 2022 1:00 pm	03/22/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL

Sample Information

Client Sample ID: FB01_PFAS_03222022 **York Sample ID:** 22C1213-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1213	170610601	Water	March 22, 2022 1:00 pm	03/22/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	03/23/2022 12:29	03/24/2022 20:05	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*104 %*	*25-150*
Surrogate: M5PFHxA	*98.4 %*	*25-150*
Surrogate: M4PFHpA	*92.6 %*	*25-150*
Surrogate: M3PFHxS	*105 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*103 %*	*25-150*
Surrogate: M7PFUdA	*89.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*109 %*	*25-150*
Surrogate: M2PFTeDA	*68.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*95.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*114 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*101 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*81.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*66.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*137 %*	*25-200*
Surrogate: M2-8:2 FTS	*105 %*	*25-200*
Surrogate: M9PFNA	*85.7 %*	*25-150*

Analytical Batch Summary

Batch ID: BC22705 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/22/22
22C1213-02	EP28_0.5	03/22/22
BC22705-BLK1	Blank	03/22/22
BC22705-BS1	LCS	03/22/22
BC22705-MS1	Matrix Spike	03/22/22
BC22705-MSD1	Matrix Spike Dup	03/22/22

Batch ID: BC22723 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
22C1213-05	EP03_5.5	03/23/22
BC22723-BLK1	Blank	03/23/22
BC22723-BS1	LCS	03/23/22
BC22723-MS1	Matrix Spike	03/23/22
BC22723-MSD1	Matrix Spike Dup	03/23/22

Batch ID: BC22724 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22724-BLK1	Blank	03/23/22
BC22724-BLK2	Blank	03/23/22
BC22724-BS1	LCS	03/23/22
BC22724-BS2	LCS	03/23/22
BC22724-MS2	Matrix Spike	03/23/22
BC22724-MSD2	Matrix Spike Dup	03/23/22

Batch ID: BC22725 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22725-BLK1	Blank	03/23/22
BC22725-BS1	LCS	03/23/22
BC22725-MS1	Matrix Spike	03/23/22
BC22725-MSD1	Matrix Spike Dup	03/23/22

Batch ID: BC22733 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22733-BLK1	Blank	03/23/22
BC22733-DUP1	Duplicate	03/23/22
BC22733-MS1	Matrix Spike	03/23/22
BC22733-SRM1	Reference	03/23/22

Batch ID: BC22738 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22738-BLK1	Blank	03/23/22
BC22738-DUP1	Duplicate	03/23/22
BC22738-MS1	Matrix Spike	03/23/22
BC22738-SRM1	Reference	03/23/22

Batch ID: BC22759 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-06	FB01_PFAS_03222022	03/23/22
BC22759-BLK1	Blank	03/23/22
BC22759-BS1	LCS	03/23/22
BC22759-MS1	Matrix Spike	03/23/22
BC22759-MS2	Matrix Spike	03/23/22
BC22759-MS3	Matrix Spike	03/23/22
BC22759-MSD1	Matrix Spike Dup	03/23/22
BC22759-MSD2	Matrix Spike Dup	03/23/22
BC22759-MSD3	Matrix Spike Dup	03/23/22

Batch ID: BC22760 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22760-BLK1	Blank	03/23/22
BC22760-BS1	LCS	03/23/22
BC22760-MS1	Matrix Spike	03/23/22
BC22760-MSD1	Matrix Spike Dup	03/23/22

Batch ID: BC22766 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22766-BLK1	Blank	03/23/22

BC22766-DUP1	Duplicate	03/23/22
BC22766-MS1	Matrix Spike	03/23/22
BC22766-SRM1	Reference	03/23/22

Batch ID: BC22769 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
BC22769-BLK1	Blank	03/23/22
BC22769-BLK2	Blank	03/23/22
BC22769-BS1	LCS	03/23/22
BC22769-BSD1	LCS Dup	03/23/22

Batch ID: BC22786 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
22C1213-03	EP13_5.5	03/23/22
22C1213-04	EP15_5.5	03/23/22
22C1213-05	EP03_5.5	03/23/22
BC22786-DUP1	Duplicate	03/23/22

Batch ID: BC22807 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/23/22
22C1213-02	EP28_0.5	03/23/22
22C1213-03	EP13_5.5	03/23/22
22C1213-04	EP15_5.5	03/23/22
BC22807-BLK1	Blank	03/23/22
BC22807-DUP1	Duplicate	03/23/22
BC22807-MS1	Matrix Spike	03/23/22
BC22807-PS1	Post Spike	03/23/22
BC22807-SRM1	Reference	03/23/22

Batch ID: BC22867 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C1213-01	EP55_0.5	03/24/22
22C1213-02	EP28_0.5	03/24/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
Blank (BC22769-BLK1) Blank									Prepared & Analyzed: 03/23/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
Blank (BC22769-BLK1) Blank								Prepared & Analyzed: 03/23/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.3*		*"*	*50.0*		*111*	*76-130*				
Blank (BC22769-BLK2) Blank								Prepared & Analyzed: 03/23/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
Blank (BC22769-BLK2) Blank									Prepared & Analyzed: 03/23/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
LCS (BC22769-BS1) LCS							Prepared & Analyzed: 03/23/2022				
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		98.0	75-129				
1,1,1-Trichloroethane	51.0		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	51.4		"	50.0		103	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146				
1,1,2-Trichloroethane	49.8		"	50.0		99.6	83-123				
1,1-Dichloroethane	50.6		"	50.0		101	75-130				
1,1-Dichloroethylene	49.0		"	50.0		97.9	64-137				
1,2,3-Trichlorobenzene	48.6		"	50.0		97.3	81-140				
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	52.0		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	52.2		"	50.0		104	74-142				
1,2-Dibromoethane	50.4		"	50.0		101	86-123				
1,2-Dichlorobenzene	49.9		"	50.0		99.7	85-122				
1,2-Dichloroethane	50.2		"	50.0		100	71-133				
1,2-Dichloropropane	52.3		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	50.6		"	50.0		101	82-126				
1,3-Dichlorobenzene	50.4		"	50.0		101	84-124				
1,4-Dichlorobenzene	50.0		"	50.0		100	84-124				
1,4-Dioxane	1040		"	1050		98.8	10-228				
2-Butanone	49.2		"	50.0		98.4	58-147				
2-Hexanone	49.8		"	50.0		99.7	70-139				
4-Methyl-2-pentanone	37.8		"	50.0		75.6	72-132				
Acetone	41.7		"	50.0		83.4	36-155				
Acrolein	35.2		"	50.0		70.4	10-238				
Acrylonitrile	48.6		"	50.0		97.2	66-141				
Benzene	51.1		"	50.0		102	77-127				
Bromochloromethane	50.7		"	50.0		101	74-129				
Bromodichloromethane	50.2		"	50.0		100	81-124				
Bromoform	49.5		"	50.0		99.0	80-136				
Bromomethane	41.2		"	50.0		82.5	32-177				
Carbon disulfide	51.1		"	50.0		102	10-136				
Carbon tetrachloride	50.6		"	50.0		101	66-143				
Chlorobenzene	51.8		"	50.0		104	86-120				
Chloroethane	48.8		"	50.0		97.5	51-142				
Chloroform	51.0		"	50.0		102	76-131				
Chloromethane	50.3		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	50.8		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	51.1		"	50.0		102	81-129				
Cyclohexane	49.0		"	50.0		98.0	70-130				
Dibromochloromethane	49.5		"	50.0		99.0	10-200				
Dibromomethane	50.0		"	50.0		100	83-124				
Dichlorodifluoromethane	49.3		"	50.0		98.6	28-158				
Ethyl Benzene	51.0		"	50.0		102	84-125				
Hexachlorobutadiene	50.1		"	50.0		100	83-133				
Isopropylbenzene	52.7		"	50.0		105	81-127				
Methyl acetate	45.6		"	50.0		91.2	41-143				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylcyclohexane	49.0		"	50.0		97.9	70-130				
Methylene chloride	50.5		"	50.0		101	57-141				
n-Butylbenzene	49.4		"	50.0		98.9	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
LCS (BC22769-BS1) LCS								Prepared & Analyzed: 03/23/2022			
n-Propylbenzene	51.4		ug/L	50.0		103	74-136				
o-Xylene	51.2		"	50.0		102	83-123				
p- & m- Xylenes	102		"	100		102	82-128				
p-Isopropyltoluene	51.5		"	50.0		103	85-125				
sec-Butylbenzene	51.2		"	50.0		102	83-125				
Styrene	49.1		"	50.0		98.2	86-126				
tert-Butyl alcohol (TBA)	295		"	250		118	70-130				
tert-Butylbenzene	45.0		"	50.0		90.0	80-127				
Tetrachloroethylene	44.7		"	50.0		89.5	80-129				
Toluene	50.8		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	51.3		"	50.0		103	72-132				
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132				
Trichloroethylene	50.4		"	50.0		101	84-123				
Trichlorofluoromethane	47.9		"	50.0		95.8	62-140				
Vinyl Chloride	50.5		"	50.0		101	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.3*		*"*	*50.0*		*105*	*76-130*				
LCS Dup (BC22769-BSD1) LCS Dup								Prepared & Analyzed: 03/23/2022			
1,1,1,2-Tetrachloroethane	48.5		ug/L	50.0		96.9	75-129		1.13	30	
1,1,1-Trichloroethane	50.4		"	50.0		101	71-137		1.10	30	
1,1,2,2-Tetrachloroethane	51.2		"	50.0		102	79-129		0.390	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101	58-146		0.612	30	
1,1,2-Trichloroethane	48.6		"	50.0		97.2	83-123		2.48	30	
1,1-Dichloroethane	49.8		"	50.0		99.5	75-130		1.71	30	
1,1-Dichloroethylene	48.2		"	50.0		96.5	64-137		1.52	30	
1,2,3-Trichlorobenzene	49.3		"	50.0		98.6	81-140		1.39	30	
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126		1.28	30	
1,2,4-Trichlorobenzene	50.3		"	50.0		101	80-141		0.558	30	
1,2,4-Trimethylbenzene	51.4		"	50.0		103	84-125		1.04	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		2.66	30	
1,2-Dibromoethane	49.4		"	50.0		98.9	86-123		2.00	30	
1,2-Dichlorobenzene	49.7		"	50.0		99.3	85-122		0.422	30	
1,2-Dichloroethane	49.9		"	50.0		99.8	71-133		0.600	30	
1,2-Dichloropropane	52.3		"	50.0		105	81-122		0.115	30	
1,3,5-Trimethylbenzene	49.8		"	50.0		99.7	82-126		1.45	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		0.497	30	
1,4-Dichlorobenzene	50.3		"	50.0		101	84-124		0.678	30	
1,4-Dioxane	1010		"	1050		96.4	10-228		2.51	30	
2-Butanone	48.9		"	50.0		97.7	58-147		0.673	30	
2-Hexanone	49.3		"	50.0		98.5	70-139		1.15	30	
4-Methyl-2-pentanone	37.2		"	50.0		74.3	72-132		1.65	30	
Acetone	39.5		"	50.0		79.0	36-155		5.47	30	
Acrolein	35.4		"	50.0		70.8	10-238		0.538	30	
Acrylonitrile	48.6		"	50.0		97.1	66-141		0.123	30	
Benzene	50.2		"	50.0		100	77-127		1.84	30	
Bromochloromethane	49.8		"	50.0		99.5	74-129		1.85	30	
Bromodichloromethane	49.8		"	50.0		99.6	81-124		0.940	30	
Bromoform	49.2		"	50.0		98.5	80-136		0.567	30	
Bromomethane	41.0		"	50.0		82.1	32-177		0.486	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22769 - EPA 5035A											
LCS Dup (BC22769-BSD1) LCS Dup							Prepared & Analyzed: 03/23/2022				
Carbon disulfide	50.4		ug/L	50.0		101	10-136		1.30	30	
Carbon tetrachloride	49.8		"	50.0		99.6	66-143		1.53	30	
Chlorobenzene	50.6		"	50.0		101	86-120		2.36	30	
Chloroethane	47.0		"	50.0		94.1	51-142		3.59	30	
Chloroform	50.0		"	50.0		100	76-131		2.12	30	
Chloromethane	49.3		"	50.0		98.6	49-132		2.05	30	
cis-1,2-Dichloroethylene	49.2		"	50.0		98.4	74-132		3.20	30	
cis-1,3-Dichloropropylene	50.0		"	50.0		100	81-129		2.10	30	
Cyclohexane	48.9		"	50.0		97.7	70-130		0.245	30	
Dibromochloromethane	48.5		"	50.0		97.0	10-200		1.98	30	
Dibromomethane	48.8		"	50.0		97.5	83-124		2.47	30	
Dichlorodifluoromethane	47.6		"	50.0		95.1	28-158		3.61	30	
Ethyl Benzene	49.8		"	50.0		99.6	84-125		2.28	30	
Hexachlorobutadiene	50.0		"	50.0		100	83-133		0.200	30	
Isopropylbenzene	52.4		"	50.0		105	81-127		0.666	30	
Methyl acetate	44.8		"	50.0		89.6	41-143		1.79	30	
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		100	74-131		2.86	30	
Methylcyclohexane	48.4		"	50.0		96.7	70-130		1.27	30	
Methylene chloride	49.5		"	50.0		99.0	57-141		2.06	30	
n-Butylbenzene	48.8		"	50.0		97.7	80-130		1.18	30	
n-Propylbenzene	50.9		"	50.0		102	74-136		0.958	30	
o-Xylene	50.6		"	50.0		101	83-123		1.08	30	
p- & m- Xylenes	101		"	100		101	82-128		1.41	30	
p-Isopropyltoluene	51.1		"	50.0		102	85-125		0.858	30	
sec-Butylbenzene	51.0		"	50.0		102	83-125		0.391	30	
Styrene	48.8		"	50.0		97.6	86-126		0.572	30	
tert-Butyl alcohol (TBA)	298		"	250		119	70-130		0.944	30	
tert-Butylbenzene	44.1		"	50.0		88.3	80-127		1.97	30	
Tetrachloroethylene	43.7		"	50.0		87.5	80-129		2.26	30	
Toluene	50.0		"	50.0		99.9	85-121		1.67	30	
trans-1,2-Dichloroethylene	48.9		"	50.0		97.7	72-132		4.87	30	
trans-1,3-Dichloropropylene	50.7		"	50.0		101	78-132		1.02	30	
Trichloroethylene	50.0		"	50.0		100	84-123		0.657	30	
Trichlorofluoromethane	47.2		"	50.0		94.4	62-140		1.47	30	
Vinyl Chloride	49.8		"	50.0		99.7	52-130		1.37	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.9*		*"*	*50.0*		*97.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.0*		*"*	*50.0*		*97.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.5*		*"*	*50.0*		*105*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22723 - EPA 3550C

Blank (BC22723-BLK1) Blank — Prepared & Analyzed: 03/23/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
Blank (BC22723-BLK1) Blank									Prepared & Analyzed: 03/23/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.781*		"	*1.66*		*47.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.750*		"	*1.66*		*45.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.398*		"	*0.831*		*47.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.434*		"	*0.831*		*52.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.06*		"	*1.66*		*63.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.439*		"	*0.831*		*52.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
LCS (BC22723-BS1) LCS								Prepared: 03/23/2022 Analyzed: 03/24/2022			
1,1-Biphenyl	0.399	0.0416	mg/kg wet	0.831		48.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.435	0.0830	"	0.831		52.3	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.311	0.0416	"	0.831		37.4	17-137				
2,3,4,6-Tetrachlorophenol	0.360	0.0830	"	0.831		43.4	30-130				
2,4,5-Trichlorophenol	0.414	0.0416	"	0.831		49.9	27-118				
2,4,6-Trichlorophenol	0.404	0.0416	"	0.831		48.6	31-120				
2,4-Dichlorophenol	0.396	0.0416	"	0.831		47.7	20-127				
2,4-Dimethylphenol	0.340	0.0416	"	0.831		40.9	14-132				
2,4-Dinitrophenol	0.0628	0.0830	"	0.831		7.56	10-171	Low Bias			
2,4-Dinitrotoluene	0.436	0.0416	"	0.831		52.5	34-131				
2,6-Dinitrotoluene	0.395	0.0416	"	0.831		47.5	31-128				
2-Chloronaphthalene	0.401	0.0416	"	0.831		48.3	31-117				
2-Chlorophenol	0.349	0.0416	"	0.831		42.0	33-113				
2-Methylnaphthalene	0.388	0.0416	"	0.831		46.8	12-138				
2-Methylphenol	0.334	0.0416	"	0.831		40.2	10-136				
2-Nitroaniline	0.412	0.0830	"	0.831		49.6	27-132				
2-Nitrophenol	0.390	0.0416	"	0.831		47.0	17-129				
3- & 4-Methylphenols	0.324	0.0416	"	0.831		39.0	29-103				
3,3-Dichlorobenzidine	0.385	0.0416	"	0.831		46.4	22-149				
3-Nitroaniline	0.402	0.0830	"	0.831		48.4	20-133				
4,6-Dinitro-2-methylphenol	0.0947	0.0830	"	0.831		11.4	10-143				
4-Bromophenyl phenyl ether	0.415	0.0416	"	0.831		49.9	29-120				
4-Chloro-3-methylphenol	0.361	0.0416	"	0.831		43.4	24-129				
4-Chloroaniline	0.235	0.0416	"	0.831		28.2	10-132				
4-Chlorophenyl phenyl ether	0.386	0.0416	"	0.831		46.5	27-124				
4-Nitroaniline	0.370	0.0830	"	0.831		44.6	16-128				
4-Nitrophenol	0.339	0.0830	"	0.831		40.8	10-141				
Acenaphthene	0.377	0.0416	"	0.831		45.4	30-121				
Acenaphthylene	0.394	0.0416	"	0.831		47.4	30-115				
Acetophenone	0.322	0.0416	"	0.831		38.7	20-112				
Aniline	0.325	0.166	"	0.831		39.2	10-119				
Anthracene	0.402	0.0416	"	0.831		48.4	34-118				
Atrazine	0.450	0.0416	"	0.831		54.1	26-112				
Benzaldehyde	0.337	0.0416	"	0.831		40.6	21-100				
Benzo(a)anthracene	0.401	0.0416	"	0.831		48.3	32-122				
Benzo(a)pyrene	0.503	0.0416	"	0.831		60.6	29-133				
Benzo(b)fluoranthene	0.528	0.0416	"	0.831		63.5	25-133				
Benzo(g,h,i)perylene	0.463	0.0416	"	0.831		55.7	10-143				
Benzo(k)fluoranthene	0.465	0.0416	"	0.831		56.0	25-128				
Benzoic acid	0.0661	0.0416	"	0.831		7.96	10-140	Low Bias			
Benzyl alcohol	0.346	0.0416	"	0.831		41.6	30-115				
Benzyl butyl phthalate	0.359	0.0416	"	0.831		43.2	26-126				
Bis(2-chloroethoxy)methane	0.349	0.0416	"	0.831		42.0	19-132				
Bis(2-chloroethyl)ether	0.316	0.0416	"	0.831		38.0	19-125				
Bis(2-chloroisopropyl)ether	0.322	0.0416	"	0.831		38.7	20-135				
Bis(2-ethylhexyl)phthalate	0.373	0.0416	"	0.831		44.9	10-155				
Caprolactam	0.370	0.0830	"	0.831		44.6	10-127				
Carbazole	0.376	0.0416	"	0.831		45.2	35-123				
Chrysene	0.370	0.0416	"	0.831		44.6	32-123				
Dibenzo(a,h)anthracene	0.530	0.0416	"	0.831		63.8	10-136				
Dibenzofuran	0.399	0.0416	"	0.831		48.0	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
LCS (BC22723-BS1) LCS									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Diethyl phthalate	0.382	0.0416	mg/kg wet	0.831		46.0	34-116				
Dimethyl phthalate	0.380	0.0416	"	0.831		45.7	35-124				
Di-n-butyl phthalate	0.389	0.0416	"	0.831		46.8	31-116				
Di-n-octyl phthalate	0.440	0.0416	"	0.831		53.0	26-136				
Diphenylamine	0.458	0.0830	"	0.831		55.1	40-140				
Fluoranthene	0.379	0.0416	"	0.831		45.6	33-122				
Fluorene	0.367	0.0416	"	0.831		44.2	29-123				
Hexachlorobenzene	0.352	0.0416	"	0.831		42.4	21-124				
Hexachlorobutadiene	0.399	0.0416	"	0.831		48.1	10-149				
Hexachlorocyclopentadiene	0.111	0.0416	"	0.831		13.3	10-129				
Hexachloroethane	0.277	0.0416	"	0.831		33.4	28-108				
Indeno(1,2,3-cd)pyrene	0.505	0.0416	"	0.831		60.8	10-135				
Isophorone	0.335	0.0416	"	0.831		40.3	20-132				
Naphthalene	0.387	0.0416	"	0.831		46.6	23-124				
Nitrobenzene	0.343	0.0416	"	0.831		41.3	13-132				
N-Nitrosodimethylamine	0.543	0.0416	"	0.831		65.4	11-129				
N-nitroso-di-n-propylamine	0.301	0.0416	"	0.831		36.3	24-119				
N-Nitrosodiphenylamine	0.441	0.0416	"	0.831		53.1	22-152				
Pentachlorophenol	0.381	0.0416	"	0.831		45.9	10-139				
Phenanthrene	0.383	0.0416	"	0.831		46.1	33-123				
Phenol	0.345	0.0416	"	0.831		41.6	23-115				
Pyrene	0.347	0.0416	"	0.831		41.8	24-130				
Pyridine	0.447	0.166	"	0.831		53.8	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.701*		"	*1.66*		*42.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.729*		"	*1.66*		*43.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.383*		"	*0.831*		*46.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.463*		"	*0.831*		*55.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.09*		"	*1.66*		*65.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.417*		"	*0.831*		*50.2*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
Matrix Spike (BC22723-MS1) Matrix Spike	*Source sample: 22C1092-05 (Matrix Spike)							Prepared & Analyzed: 03/23/2022			
1,1-Biphenyl	0.406	0.0851	mg/kg dry	0.850	ND	47.7	10-130				
1,2,4,5-Tetrachlorobenzene	0.374	0.170	"	0.850	ND	43.9	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.331	0.0851	"	0.850	ND	38.9	10-144				
2,3,4,6-Tetrachlorophenol	0.351	0.170	"	0.850	ND	41.3	30-130				
2,4,5-Trichlorophenol	0.348	0.0851	"	0.850	ND	40.9	10-127				
2,4,6-Trichlorophenol	0.397	0.0851	"	0.850	ND	46.6	10-132				
2,4-Dichlorophenol	0.337	0.0851	"	0.850	ND	39.7	10-128				
2,4-Dimethylphenol	0.331	0.0851	"	0.850	ND	38.9	10-137				
2,4-Dinitrophenol	ND	0.170	"	0.850	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.407	0.0851	"	0.850	ND	47.8	16-135				
2,6-Dinitrotoluene	0.410	0.0851	"	0.850	ND	48.2	18-131				
2-Chloronaphthalene	0.320	0.0851	"	0.850	ND	37.6	10-129				
2-Chlorophenol	0.376	0.0851	"	0.850	ND	44.2	15-116				
2-Methylnaphthalene	0.318	0.0851	"	0.850	ND	37.4	10-147				
2-Methylphenol	0.354	0.0851	"	0.850	ND	41.7	10-136				
2-Nitroaniline	0.381	0.170	"	0.850	ND	44.8	10-137				
2-Nitrophenol	0.324	0.0851	"	0.850	ND	38.1	10-129				
3- & 4-Methylphenols	0.391	0.0851	"	0.850	ND	46.0	10-123				
3,3-Dichlorobenzidine	0.280	0.0851	"	0.850	ND	32.9	10-155				
3-Nitroaniline	0.325	0.170	"	0.850	ND	38.2	12-133				
4,6-Dinitro-2-methylphenol	0.177	0.170	"	0.850	ND	20.8	10-155				
4-Bromophenyl phenyl ether	0.395	0.0851	"	0.850	ND	46.5	14-128				
4-Chloro-3-methylphenol	0.424	0.0851	"	0.850	ND	49.8	10-134				
4-Chloroaniline	0.278	0.0851	"	0.850	ND	32.7	10-145				
4-Chlorophenyl phenyl ether	0.359	0.0851	"	0.850	ND	42.2	14-130				
4-Nitroaniline	0.344	0.170	"	0.850	ND	40.5	10-147				
4-Nitrophenol	0.391	0.170	"	0.850	ND	45.9	10-137				
Acenaphthene	0.374	0.0851	"	0.850	ND	44.0	10-146				
Acenaphthylene	0.342	0.0851	"	0.850	ND	40.2	10-134				
Acetophenone	0.365	0.0851	"	0.850	ND	43.0	10-116				
Aniline	0.299	0.341	"	0.850	ND	35.1	10-123				
Anthracene	0.352	0.0851	"	0.850	ND	41.4	10-142				
Atrazine	0.381	0.0851	"	0.850	ND	44.8	19-115				
Benzaldehyde	0.354	0.0851	"	0.850	ND	41.7	10-125				
Benzo(a)anthracene	0.336	0.0851	"	0.850	ND	39.5	10-158				
Benzo(a)pyrene	0.344	0.0851	"	0.850	ND	40.5	10-180				
Benzo(b)fluoranthene	0.336	0.0851	"	0.850	ND	39.5	10-200				
Benzo(g,h,i)perylene	0.333	0.0851	"	0.850	ND	39.2	10-138				
Benzo(k)fluoranthene	0.382	0.0851	"	0.850	ND	45.0	10-197				
Benzoic acid	0.214	0.0851	"	0.850	ND	25.2	10-166				
Benzyl alcohol	0.349	0.0851	"	0.850	ND	41.0	12-124				
Benzyl butyl phthalate	0.340	0.0851	"	0.850	ND	39.9	10-154				
Bis(2-chloroethoxy)methane	0.339	0.0851	"	0.850	ND	39.8	10-132				
Bis(2-chloroethyl)ether	0.465	0.0851	"	0.850	ND	54.6	10-119				
Bis(2-chloroisopropyl)ether	0.376	0.0851	"	0.850	ND	44.2	10-139				
Bis(2-ethylhexyl)phthalate	0.343	0.0851	"	0.850	ND	40.3	10-167				
Caprolactam	0.344	0.170	"	0.850	ND	40.4	10-132				
Carbazole	0.358	0.0851	"	0.850	ND	42.1	10-167				
Chrysene	0.346	0.0851	"	0.850	ND	40.7	10-156				
Dibenzo(a,h)anthracene	0.383	0.0851	"	0.850	ND	45.0	10-137				
Dibenzofuran	0.354	0.0851	"	0.850	ND	41.7	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
Matrix Spike (BC22723-MS1) Matrix Spike	*Source sample: 22C1092-05 (Matrix Spike)							Prepared & Analyzed: 03/23/2022			
Diethyl phthalate	0.368	0.0851	mg/kg dry	0.850	ND	43.3	20-120				
Dimethyl phthalate	0.333	0.0851	"	0.850	ND	39.2	18-131				
Di-n-butyl phthalate	0.356	0.0851	"	0.850	ND	41.8	10-137				
Di-n-octyl phthalate	0.356	0.0851	"	0.850	ND	41.8	10-180				
Diphenylamine	0.367	0.170	"	0.850	ND	43.2	40-140				
Fluoranthene	0.374	0.0851	"	0.850	ND	44.0	10-160				
Fluorene	0.391	0.0851	"	0.850	ND	45.9	10-157				
Hexachlorobenzene	0.289	0.0851	"	0.850	ND	34.0	10-137				
Hexachlorobutadiene	0.361	0.0851	"	0.850	ND	42.4	10-132				
Hexachlorocyclopentadiene	ND	0.0851	"	0.850	ND		10-106	Low Bias			
Hexachloroethane	0.280	0.0851	"	0.850	ND	33.0	10-110				
Indeno(1,2,3-cd)pyrene	0.310	0.0851	"	0.850	ND	36.5	10-144				
Isophorone	0.350	0.0851	"	0.850	ND	41.1	10-132				
Naphthalene	0.332	0.0851	"	0.850	ND	39.0	10-141				
Nitrobenzene	0.363	0.0851	"	0.850	ND	42.7	10-131				
N-Nitrosodimethylamine	0.336	0.0851	"	0.850	ND	39.5	10-126				
N-nitroso-di-n-propylamine	0.365	0.0851	"	0.850	ND	42.9	10-125				
N-Nitrosodiphenylamine	0.395	0.0851	"	0.850	ND	46.5	10-177				
Pentachlorophenol	0.122	0.0851	"	0.850	ND	14.3	10-153				
Phenanthrene	0.365	0.0851	"	0.850	ND	42.9	10-148				
Phenol	0.420	0.0851	"	0.850	ND	49.4	10-126				
Pyrene	0.300	0.0851	"	0.850	ND	35.3	10-165				
Pyridine	0.311	0.341	"	0.850	ND	36.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.719*		"	*1.70*		*42.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.814*		"	*1.70*		*47.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.350*		"	*0.850*		*41.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.340*		"	*0.850*		*40.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.697*		"	*1.70*		*41.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.333*		"	*0.850*		*39.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
Matrix Spike Dup (BC22723-M Matrix Spike Dup	*Source sample: 22C1092-05 (Matrix Spike Dup)							Prepared & Analyzed: 03/23/2022			
1,1-Biphenyl	0.378	0.0851	mg/kg dry	0.850	ND	44.5	10-130		6.94	30	
1,2,4,5-Tetrachlorobenzene	0.376	0.170	"	0.850	ND	44.2	10-133		0.545	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.342	0.0851	"	0.850	ND	40.2	10-144		3.44	30	
2,3,4,6-Tetrachlorophenol	0.406	0.170	"	0.850	ND	47.7	30-130		14.4	30	
2,4,5-Trichlorophenol	0.368	0.0851	"	0.850	ND	43.3	10-127		5.70	30	
2,4,6-Trichlorophenol	0.351	0.0851	"	0.850	ND	41.3	10-132		12.2	30	
2,4-Dichlorophenol	0.404	0.0851	"	0.850	ND	47.5	10-128		18.0	30	
2,4-Dimethylphenol	0.347	0.0851	"	0.850	ND	40.8	10-137		4.82	30	
2,4-Dinitrophenol	ND	0.170	"	0.850	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.481	0.0851	"	0.850	ND	56.6	16-135		16.7	30	
2,6-Dinitrotoluene	0.382	0.0851	"	0.850	ND	44.9	18-131		7.22	30	
2-Chloronaphthalene	0.337	0.0851	"	0.850	ND	39.7	10-129		5.38	30	
2-Chlorophenol	0.377	0.0851	"	0.850	ND	44.3	15-116		0.362	30	
2-Methylnaphthalene	0.450	0.0851	"	0.850	ND	53.0	10-147		34.3	30	Non-dir.
2-Methylphenol	0.476	0.0851	"	0.850	ND	56.0	10-136		29.3	30	
2-Nitroaniline	0.426	0.170	"	0.850	ND	50.1	10-137		11.1	30	
2-Nitrophenol	0.395	0.0851	"	0.850	ND	46.5	10-129		19.9	30	
3- & 4-Methylphenols	0.353	0.0851	"	0.850	ND	41.5	10-123		10.2	30	
3,3-Dichlorobenzidine	0.278	0.0851	"	0.850	ND	32.7	10-155		0.488	30	
3-Nitroaniline	0.407	0.170	"	0.850	ND	47.8	12-133		22.5	30	
4,6-Dinitro-2-methylphenol	0.171	0.170	"	0.850	ND	20.2	10-155		3.12	30	
4-Bromophenyl phenyl ether	0.326	0.0851	"	0.850	ND	38.3	14-128		19.2	30	
4-Chloro-3-methylphenol	0.436	0.0851	"	0.850	ND	51.3	10-134		2.85	30	
4-Chloroaniline	0.339	0.0851	"	0.850	ND	39.8	10-145		19.6	30	
4-Chlorophenyl phenyl ether	0.347	0.0851	"	0.850	ND	40.8	14-130		3.28	30	
4-Nitroaniline	0.305	0.170	"	0.850	ND	35.8	10-147		12.2	30	
4-Nitrophenol	0.357	0.170	"	0.850	ND	42.0	10-137		8.92	30	
Acenaphthene	0.393	0.0851	"	0.850	ND	46.2	10-146		4.96	30	
Acenaphthylene	0.378	0.0851	"	0.850	ND	44.4	10-134		10.0	30	
Acetophenone	0.382	0.0851	"	0.850	ND	44.9	10-116		4.37	30	
Aniline	0.253	0.341	"	0.850	ND	29.8	10-123		16.5	30	
Anthracene	0.373	0.0851	"	0.850	ND	43.8	10-142		5.63	30	
Atrazine	0.323	0.0851	"	0.850	ND	38.0	19-115		16.4	30	
Benzaldehyde	0.384	0.0851	"	0.850	ND	45.1	10-125		7.93	30	
Benzo(a)anthracene	0.353	0.0851	"	0.850	ND	41.5	10-158		4.94	30	
Benzo(a)pyrene	0.367	0.0851	"	0.850	ND	43.1	10-180		6.32	30	
Benzo(b)fluoranthene	0.352	0.0851	"	0.850	ND	41.4	10-200		4.55	30	
Benzo(g,h,i)perylene	0.361	0.0851	"	0.850	ND	42.5	10-138		8.03	30	
Benzo(k)fluoranthene	0.367	0.0851	"	0.850	ND	43.2	10-197		3.99	30	
Benzoic acid	0.230	0.0851	"	0.850	ND	27.0	10-166		7.04	30	
Benzyl alcohol	0.397	0.0851	"	0.850	ND	46.7	12-124		12.9	30	
Benzyl butyl phthalate	0.380	0.0851	"	0.850	ND	44.7	10-154		11.3	30	
Bis(2-chloroethoxy)methane	0.386	0.0851	"	0.850	ND	45.4	10-132		13.0	30	
Bis(2-chloroethyl)ether	0.442	0.0851	"	0.850	ND	52.0	10-119		4.95	30	
Bis(2-chloroisopropyl)ether	0.428	0.0851	"	0.850	ND	50.3	10-139		12.9	30	
Bis(2-ethylhexyl)phthalate	0.366	0.0851	"	0.850	ND	43.0	10-167		6.53	30	
Caprolactam	0.469	0.170	"	0.850	ND	55.2	10-132		31.0	30	Non-dir.
Carbazole	0.380	0.0851	"	0.850	ND	44.6	10-167		5.90	30	
Chrysene	0.340	0.0851	"	0.850	ND	39.9	10-156		1.98	30	
Dibenzo(a,h)anthracene	0.414	0.0851	"	0.850	ND	48.6	10-137		7.69	30	
Dibenzofuran	0.368	0.0851	"	0.850	ND	43.3	10-147		3.77	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22723 - EPA 3550C											
Matrix Spike Dup (BC22723-M Matrix Spike Dup	*Source sample: 22C1092-05 (Matrix Spike Dup)								Prepared & Analyzed: 03/23/2022		
Diethyl phthalate	0.361	0.0851	mg/kg dry	0.850	ND	42.5	20-120		1.87	30	
Dimethyl phthalate	0.369	0.0851	"	0.850	ND	43.4	18-131		10.3	30	
Di-n-butyl phthalate	0.348	0.0851	"	0.850	ND	41.0	10-137		2.13	30	
Di-n-octyl phthalate	0.348	0.0851	"	0.850	ND	41.0	10-180		2.13	30	
Diphenylamine	0.435	0.170	"	0.850	ND	51.2	40-140		16.9	30	
Fluoranthene	0.384	0.0851	"	0.850	ND	45.1	10-160		2.51	30	
Fluorene	0.398	0.0851	"	0.850	ND	46.8	10-157		1.90	30	
Hexachlorobenzene	0.377	0.0851	"	0.850	ND	44.3	10-137		26.4	30	
Hexachlorobutadiene	0.445	0.0851	"	0.850	ND	52.3	10-132		20.9	30	
Hexachlorocyclopentadiene	ND	0.0851	"	0.850	ND		10-106	Low Bias		30	
Hexachloroethane	0.359	0.0851	"	0.850	ND	42.2	10-110		24.5	30	
Indeno(1,2,3-cd)pyrene	0.383	0.0851	"	0.850	ND	45.0	10-144		21.0	30	
Isophorone	0.408	0.0851	"	0.850	ND	47.9	10-132		15.3	30	
Naphthalene	0.387	0.0851	"	0.850	ND	45.5	10-141		15.3	30	
Nitrobenzene	0.415	0.0851	"	0.850	ND	48.8	10-131		13.3	30	
N-Nitrosodimethylamine	0.356	0.0851	"	0.850	ND	41.8	10-126		5.70	30	
N-nitroso-di-n-propylamine	0.374	0.0851	"	0.850	ND	44.0	10-125		2.58	30	
N-Nitrosodiphenylamine	0.381	0.0851	"	0.850	ND	44.8	10-177		3.68	30	
Pentachlorophenol	0.135	0.0851	"	0.850	ND	15.8	10-153		10.1	30	
Phenanthrene	0.363	0.0851	"	0.850	ND	42.6	10-148		0.561	30	
Phenol	0.496	0.0851	"	0.850	ND	58.3	10-126		16.6	30	
Pyrene	0.335	0.0851	"	0.850	ND	39.4	10-165		10.9	30	
Pyridine	0.426	0.341	"	0.850	ND	50.1	10-83		31.2	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.780*		"	*1.70*		*45.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.904*		"	*1.70*		*53.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.435*		"	*0.850*		*51.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.380*		"	*0.850*		*44.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.879*		"	*1.70*		*51.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.363*		"	*0.850*		*42.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22760 - EPA 3550C											
Blank (BC22760-BLK1) Blank									Prepared: 03/23/2022 Analyzed: 03/24/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*337*		*"*	*495*		*68.0*	*39-127.5*				
LCS (BC22760-BS1) LCS									Prepared: 03/23/2022 Analyzed: 03/24/2022		
1,4-Dioxane	526	19.8	ug/kg	495		106	40-130				
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
Matrix Spike (BC22760-MS1) Matrix Spike *Source sample: 22C1167-04 (Matrix Spike)									Prepared: 03/23/2022 Analyzed: 03/24/2022		
1,4-Dioxane	526	19.8	ug/kg	495	ND	106	40-130				
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*40-130*				
Matrix Spike Dup (BC22760-M Matrix Spike Dup *Source sample: 22C1167-04 (Matrix Spike Dup)									Prepared: 03/23/2022 Analyzed: 03/24/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		6.01	30	
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22705 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC22705-BLK1) Blank — Prepared: 03/22/2022 Analyzed: 03/25/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.245	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.245	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.245	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.245	"								
Perfluorooctanoic acid (PFOA)	ND	0.245	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.245	"								
Perfluorononanoic acid (PFNA)	ND	0.245	"								
Perfluorodecanoic acid (PFDA)	ND	0.245	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.245	"								
Perfluorododecanoic acid (PFDoA)	ND	0.245	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.245	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.245	"								
N-MeFOSAA	ND	0.245	"								
N-EtFOSAA	ND	0.245	"								
Perfluoropentanoic acid (PFPeA)	ND	0.245	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.245	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.245	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.245	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.245	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.245	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.245	"								
Surrogate: M3PFBS	*3.41*		"	*4.55*		*74.9*	*25-150*				
Surrogate: M5PFHxA	*3.88*		"	*4.89*		*79.3*	*25-150*				
Surrogate: M4PFHpA	*2.95*		"	*4.89*		*60.3*	*25-150*				
Surrogate: M3PFHxS	*3.62*		"	*4.63*		*78.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.04*		"	*4.89*		*82.5*	*25-150*				
Surrogate: M6PFDA	*3.83*		"	*4.89*		*78.2*	*25-150*				
Surrogate: M7PFUdA	*2.90*		"	*4.89*		*59.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.04*		"	*4.89*		*62.2*	*25-150*				
Surrogate: M2PFTeDA	*2.41*		"	*4.89*		*49.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.94*		"	*4.89*		*80.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.48*		"	*4.68*		*74.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.11*		"	*4.89*		*83.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.52*		"	*4.89*		*72.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.23*		"	*4.89*		*66.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.40*		"	*4.89*		*69.5*	*25-150*				
Surrogate: M2-6:2 FTS	*6.21*		"	*4.64*		*134*	*25-200*				
Surrogate: M2-8:2 FTS	*5.34*		"	*4.69*		*114*	*25-200*				
Surrogate: M9PFNA	*3.36*		"	*4.89*		*68.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22705 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC22705-BS1) LCS								Prepared: 03/22/2022 Analyzed: 03/25/2022			
Perfluorobutanesulfonic acid (PFBS)	4.71	0.242	ug/kg wet	4.28		110	50-130				
Perfluorohexanoic acid (PFHxA)	5.29	0.242	"	4.84		109	50-130				
Perfluoroheptanoic acid (PFHpA)	6.90	0.242	"	4.84		143	50-130	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	5.32	0.242	"	4.40		121	50-130				
Perfluorooctanoic acid (PFOA)	6.25	0.242	"	4.84		129	50-130				
Perfluorooctanesulfonic acid (PFOS)	6.53	0.242	"	4.48		146	50-130	High Bias			
Perfluorononanoic acid (PFNA)	5.98	0.242	"	4.84		124	50-130				
Perfluorodecanoic acid (PFDA)	5.04	0.242	"	4.84		104	50-130				
Perfluoroundecanoic acid (PFUnA)	5.28	0.242	"	4.84		109	50-130				
Perfluorododecanoic acid (PFDoA)	5.55	0.242	"	4.84		115	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.43	0.242	"	4.84		91.5	50-130				
Perfluorotetradecanoic acid (PFTA)	5.73	0.242	"	4.84		118	50-130				
N-MeFOSAA	4.89	0.242	"	4.84		101	50-130				
N-EtFOSAA	6.21	0.242	"	4.84		128	50-130				
Perfluoropentanoic acid (PFPeA)	5.60	0.242	"	4.84		116	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.25	0.242	"	4.84		87.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.13	0.242	"	4.62		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	5.23	0.242	"	4.67		112	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.09	0.242	"	4.60		88.9	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.89	0.242	"	4.65		83.7	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.37	0.242	"	4.84		111	50-130				
Surrogate: M3PFBS	*3.80*		"	*4.50*		*84.6*	*25-150*				
Surrogate: M5PFHxA	*4.24*		"	*4.84*		*87.7*	*25-150*				
Surrogate: M4PFHpA	*3.16*		"	*4.84*		*65.2*	*25-150*				
Surrogate: M3PFHxS	*3.49*		"	*4.58*		*76.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.62*		"	*4.84*		*74.8*	*25-150*				
Surrogate: M6PFDA	*4.23*		"	*4.84*		*87.5*	*25-150*				
Surrogate: M7PFUdA	*3.44*		"	*4.84*		*71.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.72*		"	*4.84*		*76.9*	*25-150*				
Surrogate: M2PFTeDA	*2.67*		"	*4.84*		*55.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.95*		"	*4.84*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.54*		"	*4.63*		*76.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.09*		"	*4.84*		*84.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.85*		"	*4.84*		*79.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.06*		"	*4.84*		*83.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.30*		"	*4.84*		*68.2*	*25-150*				
Surrogate: M2-6:2 FTS	*5.45*		"	*4.59*		*119*	*25-200*				
Surrogate: M2-8:2 FTS	*4.76*		"	*4.64*		*103*	*25-200*				
Surrogate: M9PFNA	*3.68*		"	*4.84*		*76.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22705 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BC22705-MS1) Matrix Spike	*Source sample: 22C1084-05 (Matrix Spike)									Prepared: 03/22/2022 Analyzed: 03/25/2022	
Perfluorobutanesulfonic acid (PFBS)	4.11	0.246	ug/kg wet	4.35	ND	94.6	25-150				
Perfluorohexanoic acid (PFHxA)	4.81	0.246	"	4.91	ND	98.0	25-150				
Perfluoroheptanoic acid (PFHpA)	6.01	0.246	"	4.91	ND	122	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.34	0.246	"	4.47	ND	119	25-150				
Perfluorooctanoic acid (PFOA)	6.05	0.246	"	4.91	0.301	117	25-150				
Perfluorooctanesulfonic acid (PFOS)	6.07	0.246	"	4.54	0.804	116	25-150				
Perfluorononanoic acid (PFNA)	4.96	0.246	"	4.91	ND	101	25-150				
Perfluorodecanoic acid (PFDA)	4.57	0.246	"	4.91	ND	93.1	25-150				
Perfluoroundecanoic acid (PFUnA)	4.94	0.246	"	4.91	ND	101	25-150				
Perfluorododecanoic acid (PFDoA)	5.65	0.246	"	4.91	ND	115	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.40	0.246	"	4.91	ND	89.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.14	0.246	"	4.91	ND	105	25-150				
N-MeFOSAA	4.76	0.246	"	4.91	ND	96.9	25-150				
N-EtFOSAA	5.63	0.246	"	4.91	ND	115	25-150				
Perfluoropentanoic acid (PFPeA)	5.08	0.246	"	4.91	ND	103	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.52	0.246	"	4.91	ND	91.9	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.64	0.246	"	4.69	ND	98.8	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.70	0.246	"	4.74	ND	99.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.83	0.246	"	4.67	ND	103	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.03	0.246	"	4.72	ND	85.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.11	0.246	"	4.91	ND	104	25-150				
Surrogate: M3PFBS	*3.69*		*"*	*4.56*		*80.9*	*25-150*				
Surrogate: M5PFHxA	*3.97*		*"*	*4.91*		*80.7*	*25-150*				
Surrogate: M4PFHpA	*3.03*		*"*	*4.91*		*61.7*	*25-150*				
Surrogate: M3PFHxS	*3.42*		*"*	*4.65*		*73.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.54*		*"*	*4.91*		*72.0*	*25-150*				
Surrogate: M6PFDA	*4.40*		*"*	*4.91*		*89.6*	*25-150*				
Surrogate: M7PFUdA	*3.42*		*"*	*4.91*		*69.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.86*		*"*	*4.91*		*78.5*	*25-150*				
Surrogate: M2PFTeDA	*3.09*		*"*	*4.91*		*62.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.70*		*"*	*4.91*		*75.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.00*		*"*	*4.70*		*85.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.97*		*"*	*4.91*		*80.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.64*		*"*	*4.91*		*74.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.31*		*"*	*4.91*		*87.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.70*		*"*	*4.91*		*75.4*	*25-150*				
Surrogate: M2-6:2 FTS	*4.90*		*"*	*4.66*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*4.12*		*"*	*4.71*		*87.6*	*25-200*				
Surrogate: M9PFNA	*3.97*		*"*	*4.91*		*80.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC22705 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC22705-M Matrix Spike Dup *Source sample: 22C1084-05 (Matrix Spike Dup) Prepared: 03/22/2022 Analyzed: 03/25/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.84	0.244	ug/kg wet	4.32	ND	112	25-150		16.2	35	
Perfluorohexanoic acid (PFHxA)	4.96	0.244	"	4.89	ND	102	25-150		3.02	35	
Perfluoroheptanoic acid (PFHpA)	5.59	0.244	"	4.89	ND	114	25-150		7.15	35	
Perfluorohexanesulfonic acid (PFHxS)	4.64	0.244	"	4.45	ND	104	25-150		14.0	35	
Perfluorooctanoic acid (PFOA)	5.24	0.244	"	4.89	0.301	101	25-150		14.3	35	
Perfluorooctanesulfonic acid (PFOS)	5.89	0.244	"	4.52	0.804	112	25-150		3.16	35	
Perfluorononanoic acid (PFNA)	6.12	0.244	"	4.89	ND	125	25-150		20.9	35	
Perfluorodecanoic acid (PFDA)	5.07	0.244	"	4.89	ND	104	25-150		10.2	35	
Perfluoroundecanoic acid (PFUnA)	5.58	0.244	"	4.89	ND	114	25-150		12.2	35	
Perfluorododecanoic acid (PFDoA)	6.11	0.244	"	4.89	ND	125	25-150		7.79	35	
Perfluorotridecanoic acid (PFTrDA)	5.33	0.244	"	4.89	ND	109	25-150		19.2	35	
Perfluorotetradecanoic acid (PFTA)	5.38	0.244	"	4.89	ND	110	25-150		4.40	35	
N-MeFOSAA	4.85	0.244	"	4.89	ND	99.2	25-150		1.79	35	
N-EtFOSAA	6.64	0.244	"	4.89	ND	136	25-150		16.5	35	
Perfluoropentanoic acid (PFPeA)	5.36	0.244	"	4.89	ND	110	25-150		5.49	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.36	0.244	"	4.89	ND	89.2	25-150		3.52	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.98	0.244	"	4.67	ND	85.4	25-150		15.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.92	0.244	"	4.72	ND	83.2	25-150		18.0	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.41	0.244	"	4.64	ND	117	25-200		11.4	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.86	0.244	"	4.69	ND	104	25-200		18.5	35	
Perfluoro-n-butanoic acid (PFBA)	5.41	0.244	"	4.89	ND	111	25-150		5.68	35	
Surrogate: M3PFBS	*3.13*		"	*4.54*		*68.9*	*25-150*				
Surrogate: M5PFHxA	*4.10*		"	*4.89*		*83.9*	*25-150*				
Surrogate: M4PFHpA	*3.28*		"	*4.89*		*67.1*	*25-150*				
Surrogate: M3PFHxS	*3.59*		"	*4.62*		*77.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.99*		"	*4.89*		*81.6*	*25-150*				
Surrogate: M6PFDA	*3.34*		"	*4.89*		*68.3*	*25-150*				
Surrogate: M7PFUdA	*2.52*		"	*4.89*		*51.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.88*		"	*4.89*		*59.0*	*25-150*				
Surrogate: M2PFTeDA	*2.59*		"	*4.89*		*53.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.51*		"	*4.89*		*71.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.75*		"	*4.68*		*80.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.73*		"	*4.89*		*76.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.30*		"	*4.89*		*67.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.49*		"	*4.89*		*71.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.44*		"	*4.89*		*50.0*	*25-150*				
Surrogate: M2-6:2 FTS	*4.39*		"	*4.64*		*94.7*	*25-200*				
Surrogate: M2-8:2 FTS	*3.70*		"	*4.68*		*79.0*	*25-200*				
Surrogate: M9PFNA	*3.18*		"	*4.89*		*65.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC22759-BLK1) Blank									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*90.3*		"	*74.3*		*122*	*25-150*				
Surrogate: M5PFHxA	*91.1*		"	*80.0*		*114*	*25-150*				
Surrogate: M4PFHpA	*92.7*		"	*80.0*		*116*	*25-150*				
Surrogate: M3PFHxS	*89.1*		"	*75.7*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*96.8*		"	*80.0*		*121*	*25-150*				
Surrogate: M6PFDA	*81.7*		"	*80.0*		*102*	*25-150*				
Surrogate: M7PFUdA	*64.3*		"	*80.0*		*80.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*89.5*		"	*80.0*		*112*	*25-150*				
Surrogate: M2PFTeDA	*55.3*		"	*80.0*		*69.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*84.7*		"	*80.0*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.9*		"	*76.6*		*128*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*92.6*		"	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.7*		"	*80.0*		*50.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*86.5*		"	*80.0*		*108*	*25-150*				
Surrogate: d5-N-EtFOSAA	*58.9*		"	*80.0*		*73.6*	*25-150*				
Surrogate: M2-6:2 FTS	*83.5*		"	*75.9*		*110*	*25-200*				
Surrogate: M2-8:2 FTS	*106*		"	*76.6*		*138*	*25-200*				
Surrogate: M9PFNA	*90.1*		"	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC22759-BS1) LCS									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Perfluorobutanesulfonic acid (PFBS)	74.8	2.00	ng/L	70.8		106	50-130				
Perfluorohexanoic acid (PFHxA)	86.9	2.00	"	80.0		109	50-130				
Perfluoroheptanoic acid (PFHpA)	89.2	2.00	"	80.0		111	50-130				
Perfluorohexanesulfonic acid (PFHxS)	61.9	2.00	"	72.8		85.0	50-130				
Perfluorooctanoic acid (PFOA)	89.2	2.00	"	80.0		112	50-130				
Perfluorooctanesulfonic acid (PFOS)	68.2	2.00	"	74.0		92.2	50-130				
Perfluorononanoic acid (PFNA)	89.4	2.00	"	80.0		112	50-130				
Perfluorodecanoic acid (PFDA)	85.2	2.00	"	80.0		107	50-130				
Perfluoroundecanoic acid (PFUnA)	82.9	2.00	"	80.0		104	50-130				
Perfluorododecanoic acid (PFDoA)	86.6	2.00	"	80.0		108	50-130				
Perfluorotridecanoic acid (PFTrDA)	61.5	2.00	"	80.0		76.9	50-130				
Perfluorotetradecanoic acid (PFTA)	88.2	2.00	"	80.0		110	50-130				
N-MeFOSAA	92.9	2.00	"	80.0		116	50-130				
N-EtFOSAA	91.2	2.00	"	80.0		114	50-130				
Perfluoropentanoic acid (PFPeA)	90.5	2.00	"	80.0		113	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	74.9	2.00	"	80.0		93.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.7	2.00	"	76.4		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	92.7	2.00	"	77.2		120	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	78.6	5.00	"	76.0		103	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.4	2.00	"	76.8		93.0	50-175				
Perfluoro-n-butanoic acid (PFBA)	85.0	2.00	"	80.0		106	50-130				
Surrogate: M3PFBS	*77.5*		*"*	*74.3*		*104*	*25-150*				
Surrogate: M5PFHxA	*76.2*		*"*	*80.0*		*95.3*	*25-150*				
Surrogate: M4PFHpA	*75.0*		*"*	*80.0*		*93.8*	*25-150*				
Surrogate: M3PFHxS	*80.7*		*"*	*75.7*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.3*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M6PFDA	*84.0*		*"*	*80.0*		*105*	*25-150*				
Surrogate: M7PFUdA	*85.3*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*100*		*"*	*80.0*		*125*	*25-150*				
Surrogate: M2PFTeDA	*62.7*		*"*	*80.0*		*78.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.4*		*"*	*80.0*		*94.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.9*		*"*	*76.6*		*114*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.4*		*"*	*80.0*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.6*		*"*	*80.0*		*37.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*88.1*		*"*	*80.0*		*110*	*25-150*				
Surrogate: d5-N-EtFOSAA	*89.5*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2-6:2 FTS	*94.5*		*"*	*75.9*		*124*	*25-200*				
Surrogate: M2-8:2 FTS	*137*		*"*	*76.6*		*178*	*25-200*				
Surrogate: M9PFNA	*78.5*		*"*	*80.0*		*98.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC22759-MS1) Matrix Spike	*Source sample: 22C1131-01 (Matrix Spike)							Prepared: 03/23/2022 Analyzed: 03/24/2022			
Perfluorobutanesulfonic acid (PFBS)	144	1.92	ng/L	68.1	80.4	92.8	25-150				
Perfluorodecanoic acid (PFDA)	129	1.92	"	76.9	21.7	139	25-150				
Perfluorododecanoic acid (PFDoA)	83.0	1.92	"	76.9	9.27	95.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	72.0	1.92	"	76.9	20.8	66.5	25-150				
Perfluorotetradecanoic acid (PFTA)	82.2	1.92	"	76.9	ND	107	25-150				
N-MeFOSAA	86.4	1.92	"	76.9	2.63	109	25-150				
N-EtFOSAA	80.5	1.92	"	76.9	ND	105	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	148	1.92	"	76.9	79.1	89.8	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	332	1.92	"	73.5	101	314	25-150	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	137	1.92	"	74.2	9.98	172	25-150	High Bias			
Perfluoro-n-butanoic acid (PFBA)	219	1.92	"	76.9	154	83.9	25-150				
Surrogate: M3PFBS	*70.0*		*"*	*71.5*		*98.0*	*25-150*				
Surrogate: M5PFHxA	*67.6*		*"*	*76.9*		*87.9*	*25-150*				
Surrogate: M4PFHpA	*50.6*		*"*	*76.9*		*65.7*	*25-150*				
Surrogate: M3PFHxS	*61.7*		*"*	*72.8*		*84.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*70.6*		*"*	*76.9*		*91.7*	*25-150*				
Surrogate: M6PFDA	*80.5*		*"*	*76.9*		*105*	*25-150*				
Surrogate: M7PFUdA	*57.5*		*"*	*76.9*		*74.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.9*		*"*	*76.9*		*114*	*25-150*				
Surrogate: M2PFTeDA	*64.0*		*"*	*76.9*		*83.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.0*		*"*	*76.9*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*41.6*		*"*	*73.6*		*56.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*63.7*		*"*	*76.9*		*82.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.3*		*"*	*76.9*		*25.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*98.6*		*"*	*76.9*		*128*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.8*		*"*	*76.9*		*84.2*	*25-150*				
Surrogate: M2-6:2 FTS	*219*		*"*	*73.0*		*300*	*25-200*				
Surrogate: M2-8:2 FTS	*168*		*"*	*73.7*		*228*	*25-200*				
Surrogate: M9PFNA	*61.4*		*"*	*76.9*		*79.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC22759 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC22759-MS2) Matrix Spike *Source sample: 22C1131-01RE1 (Matrix Spike) Prepared: 03/23/2022 Analyzed: 03/25/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	164	20.0	ng/L	70.8	81.9	117	25-150				
Perfluorohexanoic acid (PFHxA)	439	20.0	"	80.0	364	93.7	25-150				
Perfluoroheptanoic acid (PFHpA)	416	20.0	"	80.0	318	122	25-150				
Perfluorohexanesulfonic acid (PFHxS)	1390	20.0	"	72.8	1370	19.4	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	674	20.0	"	80.0	554	149	25-150				
Perfluorooctanesulfonic acid (PFOS)	5030	20.0	"	74.0	3710	NR	25-150	High Bias			
Perfluorononanoic acid (PFNA)	378	20.0	"	80.0	305	90.4	25-150				
Perfluorodecanoic acid (PFDA)	170	20.0	"	80.0	21.8	185	25-150	High Bias			
Perfluoroundecanoic acid (PFUnA)	793	20.0	"	80.0	569	280	25-150	High Bias			
Perfluorododecanoic acid (PFDoA)	100	20.0	"	80.0	ND	125	25-150				
Perfluorotridecanoic acid (PFTrDA)	96.3	20.0	"	80.0	21.8	93.2	25-150				
Perfluorotetradecanoic acid (PFTA)	84.2	20.0	"	80.0	ND	105	25-150				
N-MeFOSAA	76.7	20.0	"	80.0	ND	95.8	25-150				
N-EtFOSAA	97.1	20.0	"	80.0	ND	121	25-150				
Perfluoropentanoic acid (PFPeA)	631	20.0	"	80.0	521	138	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	140	20.0	"	80.0	65.8	93.1	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	127	20.0	"	76.4	50.4	101	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	97.2	20.0	"	77.2	ND	126	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	267	50.0	"	76.0	259	9.73	25-200	Low Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	249	20.0	"	76.8	53.4	255	25-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	231	20.0	"	80.0	149	102	25-150				
Surrogate: M3PFBS	*75.6*		*"*	*74.3*		*102*	*25-150*				
Surrogate: M5PFHxA	*89.8*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M4PFHpA	*70.3*		*"*	*80.0*		*87.9*	*25-150*				
Surrogate: M3PFHxS	*85.1*		*"*	*75.7*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.7*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M6PFDA	*72.6*		*"*	*80.0*		*90.7*	*25-150*				
Surrogate: M7PFUdA	*89.1*		*"*	*80.0*		*111*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.5*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M2PFTeDA	*63.3*		*"*	*80.0*		*79.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*82.6*		*"*	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.8*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*94.7*		*"*	*80.0*		*118*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.5*		*"*	*80.0*		*31.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*105*		*"*	*80.0*		*131*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.1*		*"*	*80.0*		*98.9*	*25-150*				
Surrogate: M2-6:2 FTS	*190*		*"*	*75.9*		*250*	*25-200*				
Surrogate: M2-8:2 FTS	*87.4*		*"*	*76.6*		*114*	*25-200*				
Surrogate: M9PFNA	*85.3*		*"*	*80.0*		*107*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC22759-MS3) Matrix Spike	*Source sample: 22C1131-01RE2 (Matrix Spike)								Prepared: 03/23/2022 Analyzed: 03/25/2022		
Perfluorooctanesulfonic acid (PFOS)	8660	50.0	ng/L	74.0	3920	NR	25-150	High Bias			
Surrogate: M3PFBS	*62.8*		*"*	*74.3*		*84.5*	*25-150*				
Surrogate: M5PFHxA	*75.4*		*"*	*80.0*		*94.2*	*25-150*				
Surrogate: M4PFHpA	*52.1*		*"*	*80.0*		*65.1*	*25-150*				
Surrogate: M3PFHxS	*49.9*		*"*	*75.7*		*66.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.0*		*"*	*80.0*		*105*	*25-150*				
Surrogate: M6PFDA	*64.2*		*"*	*80.0*		*80.3*	*25-150*				
Surrogate: M7PFUdA	*52.8*		*"*	*80.0*		*66.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.6*		*"*	*80.0*		*77.0*	*25-150*				
Surrogate: M2PFTeDA	*37.1*		*"*	*80.0*		*46.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.0*		*"*	*80.0*		*87.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*41.6*		*"*	*76.6*		*54.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*52.0*		*"*	*80.0*		*65.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*10.2*		*"*	*80.0*		*12.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*54.3*		*"*	*80.0*		*67.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*88.8*		*"*	*80.0*		*111*	*25-150*				
Surrogate: M2-6:2 FTS	*116*		*"*	*75.9*		*152*	*25-200*				
Surrogate: M2-8:2 FTS	*18.8*		*"*	*76.6*		*24.5*	*25-200*				
Surrogate: M9PFNA	*63.2*		*"*	*80.0*		*79.0*	*25-150*				
Matrix Spike Dup (BC22759-M Matrix Spike Dup	*Source sample: 22C1131-01 (Matrix Spike Dup)								Prepared: 03/23/2022 Analyzed: 03/24/2022		
Perfluorobutanesulfonic acid (PFBS)	151	1.92	ng/L	68.1	80.4	104	25-150		4.97	35	
Perfluorodecanoic acid (PFDA)	110	1.92	"	76.9	21.7	115	25-150		15.5	35	
Perfluorododecanoic acid (PFDoA)	81.5	1.92	"	76.9	9.27	93.9	25-150		1.87	35	
Perfluorotridecanoic acid (PFTrDA)	69.4	1.92	"	76.9	20.8	63.1	25-150		3.68	35	
Perfluorotetradecanoic acid (PFTA)	84.3	1.92	"	76.9	ND	110	25-150		2.53	35	
N-MeFOSAA	82.5	1.92	"	76.9	2.63	104	25-150		4.58	35	
N-EtFOSAA	86.7	1.92	"	76.9	ND	113	25-150		7.41	35	
Perfluoro-1-octanesulfonamide (FOSA)	100	1.92	"	76.9	79.1	27.2	25-150		38.8	35	Non-dir.
Perfluoro-1-heptanesulfonic acid (PFHpS)	327	1.92	"	73.5	101	307	25-150	High Bias	1.54	35	
Perfluoro-1-decanesulfonic acid (PFDS)	135	1.92	"	74.2	9.98	169	25-150	High Bias	1.70	35	
Perfluoro-n-butanoic acid (PFBA)	222	1.92	"	76.9	154	87.7	25-150		1.34	35	
Surrogate: M3PFBS	*64.8*		*"*	*71.5*		*90.6*	*25-150*				
Surrogate: M5PFHxA	*65.8*		*"*	*76.9*		*85.5*	*25-150*				
Surrogate: M4PFHpA	*44.4*		*"*	*76.9*		*57.7*	*25-150*				
Surrogate: M3PFHxS	*62.8*		*"*	*72.8*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.2*		*"*	*76.9*		*108*	*25-150*				
Surrogate: M6PFDA	*74.5*		*"*	*76.9*		*96.8*	*25-150*				
Surrogate: M7PFUdA	*62.0*		*"*	*76.9*		*80.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.0*		*"*	*76.9*		*105*	*25-150*				
Surrogate: M2PFTeDA	*58.6*		*"*	*76.9*		*76.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.5*		*"*	*76.9*		*85.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BC22759-M Matrix Spike Dup *Source sample: 22C1131-01 (Matrix Spike Dup)									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*40.9*		*ng/L*	*73.6*		*55.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*56.8*		*"*	*76.9*		*73.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.5*		*"*	*76.9*		*26.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*97.1*		*"*	*76.9*		*126*	*25-150*				
Surrogate: d5-N-EtFOSAA	*72.6*		*"*	*76.9*		*94.3*	*25-150*				
Surrogate: M2-6:2 FTS	*221*		*"*	*73.0*		*303*	*25-200*				
Surrogate: M2-8:2 FTS	*153*		*"*	*73.7*		*207*	*25-200*				
Surrogate: M9PFNA	*59.1*		*"*	*76.9*		*76.8*	*25-150*				
Matrix Spike Dup (BC22759-M Matrix Spike Dup *Source sample: 22C1131-01RE1 (Matrix Spike Dup)									Prepared: 03/23/2022 Analyzed: 03/25/2022		
Perfluorohexanoic acid (PFHxA)	468	20.0	ng/L	80.0	364	130	25-150		6.40	35	
Perfluoroheptanoic acid (PFHpA)	382	20.0	"	80.0	318	79.6	25-150		8.47	35	
Perfluorohexanesulfonic acid (PFHxS)	1540	20.0	"	72.8	1370	220	25-150	High Bias	9.99	35	
Perfluorooctanoic acid (PFOA)	870	20.0	"	80.0	554	394	25-150	High Bias	25.4	35	
Perfluorononanoic acid (PFNA)	358	20.0	"	80.0	305	65.8	25-150		5.36	35	
Perfluoroundecanoic acid (PFUnA)	356	20.0	"	80.0	569	NR	25-150	Low Bias	76.2	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	646	20.0	"	80.0	521	157	25-150	High Bias	2.35	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	389	50.0	"	76.0	259	170	25-200		37.2	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	179	20.0	"	76.8	53.4	163	25-200		32.8	35	
Surrogate: M3PFBS	*93.7*		*"*	*74.3*		*126*	*25-150*				
Surrogate: M5PFHxA	*79.9*		*"*	*80.0*		*99.9*	*25-150*				
Surrogate: M4PFHpA	*72.9*		*"*	*80.0*		*91.2*	*25-150*				
Surrogate: M3PFHxS	*73.4*		*"*	*75.7*		*97.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*59.0*		*"*	*80.0*		*73.7*	*25-150*				
Surrogate: M6PFDA	*74.6*		*"*	*80.0*		*93.2*	*25-150*				
Surrogate: M7PFUdA	*71.0*		*"*	*80.0*		*88.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.4*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*66.4*		*"*	*80.0*		*83.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.0*		*"*	*80.0*		*98.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*74.0*		*"*	*76.6*		*96.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.0*		*"*	*80.0*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.0*		*"*	*80.0*		*26.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*95.2*		*"*	*80.0*		*119*	*25-150*				
Surrogate: d5-N-EtFOSAA	*116*		*"*	*80.0*		*144*	*25-150*				
Surrogate: M2-6:2 FTS	*124*		*"*	*75.9*		*164*	*25-200*				
Surrogate: M2-8:2 FTS	*77.7*		*"*	*76.6*		*101*	*25-200*				
Surrogate: M9PFNA	*81.1*		*"*	*80.0*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22759 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BC22759-M Matrix Spike Dup	*Source sample: 22C1131-01RE2 (Matrix Spike Dup)								Prepared: 03/23/2022 Analyzed: 03/25/2022		
Perfluorooctanesulfonic acid (PFOS)	6710	50.0	ng/L	74.0	3920	NR	25-150	High Bias	25.3	35	
Surrogate: M3PFBS	*70.3*		*"*	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*64.7*		*"*	*80.0*		*80.9*	*25-150*				
Surrogate: M4PFHpA	*50.9*		*"*	*80.0*		*63.7*	*25-150*				
Surrogate: M3PFHxS	*48.3*		*"*	*75.7*		*63.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.0*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*67.3*		*"*	*80.0*		*84.1*	*25-150*				
Surrogate: M7PFUdA	*56.5*		*"*	*80.0*		*70.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*45.3*		*"*	*80.0*		*56.6*	*25-150*				
Surrogate: M2PFTeDA	*67.2*		*"*	*80.0*		*84.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*62.3*		*"*	*80.0*		*77.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*49.1*		*"*	*76.6*		*64.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.5*		*"*	*80.0*		*84.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.7*		*"*	*80.0*		*24.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*24.0*		*"*	*80.0*		*30.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*61.6*		*"*	*80.0*		*77.0*	*25-150*				
Surrogate: M2-6:2 FTS	*115*		*"*	*75.9*		*152*	*25-200*				
Surrogate: M2-8:2 FTS	*91.9*		*"*	*76.6*		*120*	*25-200*				
Surrogate: M9PFNA	*63.6*		*"*	*80.0*		*79.5*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22724 - EPA 3550C											
Blank (BC22724-BLK1) Blank									Prepared: 03/23/2022 Analyzed: 03/24/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0456*		*"*	*0.0664*		*68.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0463*		*"*	*0.0664*		*69.7*	*30-150*				
LCS (BC22724-BS1) LCS									Prepared: 03/23/2022 Analyzed: 03/24/2022		
4,4'-DDD	0.0350	0.00164	mg/kg wet	0.0332		106	40-140				
4,4'-DDE	0.0255	0.00164	"	0.0332		76.8	40-140				
4,4'-DDT	0.0241	0.00164	"	0.0332		72.5	40-140				
Aldrin	0.0371	0.00164	"	0.0332		112	40-140				
alpha-BHC	0.0424	0.00164	"	0.0332		128	40-140				
alpha-Chlordane	0.0358	0.00164	"	0.0332		108	40-140				
beta-BHC	0.0378	0.00164	"	0.0332		114	40-140				
delta-BHC	0.0364	0.00164	"	0.0332		109	40-140				
Dieldrin	0.0350	0.00164	"	0.0332		105	40-140				
Endosulfan I	0.0423	0.00164	"	0.0332		127	40-140				
Endosulfan II	0.0346	0.00164	"	0.0332		104	40-140				
Endosulfan sulfate	0.0301	0.00164	"	0.0332		90.6	40-140				
Endrin	0.0335	0.00164	"	0.0332		101	40-140				
Endrin aldehyde	0.0445	0.00164	"	0.0332		134	40-140				
Endrin ketone	0.0441	0.00164	"	0.0332		133	40-140				
gamma-BHC (Lindane)	0.0430	0.00164	"	0.0332		129	40-140				
gamma-Chlordane	0.0359	0.00164	"	0.0332		108	40-140				
Heptachlor	0.0410	0.00164	"	0.0332		123	40-140				
Heptachlor epoxide	0.0378	0.00164	"	0.0332		114	40-140				
Methoxychlor	0.0321	0.00164	"	0.0332		96.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0507*		*"*	*0.0664*		*76.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0513*		*"*	*0.0664*		*77.2*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22724 - EPA 3550C											
Blank (BC22724-BLK2) Blank								Prepared & Analyzed: 03/23/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0468*		"	*0.0664*		*70.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0442*		"	*0.0664*		*66.5*	*30-150*				
LCS (BC22724-BS2) LCS								Prepared & Analyzed: 03/23/2022			
Aroclor 1016	0.220	0.0166	mg/kg wet	0.332		66.2	40-140			30	
Aroclor 1260	0.222	0.0166	"	0.332		66.7	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0495*		"	*0.0664*		*74.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0425*		"	*0.0664*		*64.0*	*30-150*				
Matrix Spike (BC22724-MS2) Matrix Spike *Source sample: 22C1092-32 (Matrix Spike)								Prepared: 03/23/2022 Analyzed: 03/25/2022			
Aroclor 1016	0.276	0.0170	mg/kg dry	0.340	ND	81.2	40-140			30	
Aroclor 1260	0.269	0.0170	"	0.340	ND	79.2	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0544*		"	*0.0680*		*80.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0510*		"	*0.0680*		*75.0*	*30-150*				
Matrix Spike Dup (BC22724-M Matrix Spike Dup *Source sample: 22C1092-32 (Matrix Spike Dup)								Prepared: 03/23/2022 Analyzed: 03/25/2022			
Aroclor 1016	0.266	0.0170	mg/kg dry	0.340	ND	78.2	40-140		3.76	30	
Aroclor 1260	0.254	0.0170	"	0.340	ND	74.6	40-140		5.95	30	
Surrogate: Tetrachloro-m-xylene	*0.0527*		"	*0.0680*		*77.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0398*		"	*0.0680*		*58.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22725 - EPA 3550C/8151A											
Blank (BC22725-BLK1) Blank								Prepared & Analyzed: 03/23/2022			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.338*		*"*	*0.417*		*81.0*	*21-150*				
LCS (BC22725-BS1) LCS								Prepared & Analyzed: 03/23/2022			
2,4,5-T	0.0917	0.0200	mg/kg wet	0.133		68.8	10-120				
2,4,5-TP (Silvex)	0.0917	0.0200	"	0.133		68.8	10-120				
2,4-D	0.108	0.0200	"	0.133		81.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.348*		*"*	*0.417*		*83.4*	*21-150*				
Matrix Spike (BC22725-MS1) Matrix Spike *Source sample: 22C1201-31 (Matrix Spike)								Prepared & Analyzed: 03/23/2022			
2,4,5-T	0.0700	0.0200	mg/kg wet	0.133	ND	52.5	10-120				
2,4,5-TP (Silvex)	0.0692	0.0200	"	0.133	ND	51.9	10-120				
2,4-D	0.0850	0.0200	"	0.133	ND	63.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.161*		*"*	*0.417*		*38.6*	*21-150*				
Matrix Spike Dup (BC22725-M Matrix Spike Dup *Source sample: 22C1201-31 (Matrix Spike Dup)								Prepared & Analyzed: 03/23/2022			
2,4,5-T	0.0817	0.0200	mg/kg wet	0.133	ND	61.3	10-120		15.4	35	
2,4,5-TP (Silvex)	0.0783	0.0200	"	0.133	ND	58.8	10-120		12.4	35	
2,4-D	0.0942	0.0200	"	0.133	ND	70.6	10-118		10.2	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.134*		*"*	*0.417*		*32.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22807 - EPA 3050B											
Blank (BC22807-BLK1) Blank									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	25.6	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC22807-DUP1) Duplicate *Source sample: 22C1247-09 (Duplicate)									Prepared: 03/23/2022 Analyzed: 03/24/2022		
Aluminum	3710	5.27	mg/kg dry		3940				6.11	35	
Antimony	ND	2.63	"		ND					35	
Arsenic	ND	1.58	"		ND					35	
Barium	68.5	2.63	"		58.2				16.3	35	
Beryllium	ND	0.053	"		ND					35	
Cadmium	ND	0.316	"		ND					35	
Calcium	2440	5.27	"		2430				0.604	35	
Chromium	9.36	0.527	"		10.1				8.00	35	
Cobalt	3.72	0.422	"		3.79				1.93	35	
Copper	17.5	2.11	"		16.3				7.17	35	
Iron	9350	26.3	"		10300				9.42	35	
Lead	81.8	0.527	"		80.9				1.20	35	
Magnesium	1490	5.27	"		1570				5.42	35	
Manganese	160	0.527	"		136				16.2	35	
Nickel	15.6	1.05	"		15.2				2.37	35	
Nickel	15.6	1.05	"		15.2				2.37	35	
Potassium	609	5.27	"		686				11.8	35	
Selenium	ND	2.63	"		ND					35	
Silver	ND	0.527	"		ND					35	
Sodium	68.1	52.7	"		76.0				11.0	35	
Thallium	ND	2.63	"		ND					35	
Vanadium	17.8	1.05	"		17.8				0.259	35	
Zinc	79.8	2.63	"		89.1				10.9	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22807 - EPA 3050B											
Matrix Spike (BC22807-MS1) Matrix Spike	*Source sample: 22C1247-09 (Matrix Spike)								Prepared: 03/23/2022 Analyzed: 03/24/2022		
Aluminum	4010	5.27	mg/kg dry	211	3940	34.1	75-125	Low Bias			
Antimony	10.8	2.63	"	26.3	ND	40.8	75-125	Low Bias			
Arsenic	213	1.58	"	211	ND	101	75-125				
Barium	302	2.63	"	211	58.2	116	75-125				
Beryllium	5.30	0.053	"	5.27	ND	101	75-125				
Cadmium	5.75	0.316	"	5.27	ND	109	75-125				
Calcium	2700	5.27	"	105	2430	256	75-125	High Bias			
Chromium	32.0	0.527	"	21.1	10.1	104	75-125				
Cobalt	61.7	0.422	"	52.7	3.79	110	75-125				
Copper	47.8	2.11	"	26.3	16.3	120	75-125				
Iron	9940	26.3	"	105	10300	NR	75-125	Low Bias			
Lead	157	0.527	"	52.7	80.9	144	75-125	High Bias			
Magnesium	1630	5.27	"	105	1570	53.6	75-125	Low Bias			
Manganese	225	0.527	"	52.7	136	169	75-125	High Bias			
Nickel	74.6	1.05	"	52.7	15.2	113	75-125				
Nickel	74.6	1.05	"	52.7	15.2	113	75-125				
Potassium	763	5.27	"	105	686	72.9	75-125	Low Bias			
Selenium	166	2.63	"	211	ND	78.7	75-125				
Silver	5.39	0.527	"	5.27	ND	102	75-125				
Sodium	192	52.7	"	105	76.0	110	75-125				
Thallium	210	2.63	"	211	ND	99.6	75-125				
Vanadium	70.8	1.05	"	52.7	17.8	101	75-125				
Zinc	135	2.63	"	52.7	89.1	87.9	75-125				
Post Spike (BC22807-PS1) Post Spike	*Source sample: 22C1247-09 (Post Spike)								Prepared: 03/23/2022 Analyzed: 03/24/2022		
Aluminum	39.7		ug/mL	2.00	37.4	114	75-125				
Antimony	0.270		"	0.250	0.016	102	75-125				
Arsenic	2.06		"	2.00	0.0005	103	75-125				
Barium	2.78		"	2.00	0.552	111	75-125				
Beryllium	0.050		"	0.0500	-0.003	99.6	75-125				
Cadmium	0.055		"	0.0500	0.002	106	75-125				
Calcium	24.1		"	1.00	23.0	108	75-125				
Chromium	0.308		"	0.200	0.096	106	75-125				
Cobalt	0.581		"	0.500	0.036	109	75-125				
Copper	0.441		"	0.250	0.155	115	75-125				
Iron	98.5		"	1.00	97.5	101	75-125				
Lead	1.34		"	0.500	0.767	114	75-125				
Magnesium	16.1		"	1.00	14.9	116	75-125				
Manganese	1.86		"	0.500	1.29	114	75-125				
Nickel	0.693		mg/L	0.500	0.144	110	75-125				
Nickel	0.693		ug/mL	0.500	0.144	110	75-125				
Potassium	7.45		"	1.00	6.51	94.0	75-125				
Selenium	1.59		"	2.00	-0.121	79.6	75-125				
Silver	0.018		"	0.0500	0.002	32.5	75-125	Low Bias			
Sodium	1.83		"	1.00	0.721	111	75-125				
Thallium	2.01		"	2.00	-0.018	100	75-125				
Vanadium	0.707		"	0.500	0.169	108	75-125				
Zinc	1.34		"	0.500	0.845	99.5	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22807 - EPA 3050B											
Reference (BC22807-SRM1) Reference								Prepared: 03/23/2022 Analyzed: 03/24/2022			
Aluminum	9940	5.00	mg/kg wet	10100		98.4	39.5-118.8				
Antimony	77.4	2.50	"	244		31.7	10-123				
Arsenic	104	1.50	"	109		95.2	63.7-118.3				
Barium	395	2.50	"	364		109	70.3-117				
Beryllium	55.1	0.050	"	57.0		96.7	69.3-115.4				
Cadmium	45.8	0.300	"	48.7		94.0	67.8-112.9				
Calcium	5600	5.00	"	5190		108	66.3-116.6				
Chromium	171	0.500	"	173		98.6	65.3-120.8				
Cobalt	156	0.400	"	148		106	70.3-117.6				
Copper	202	2.00	"	179		113	70.9-117.9				
Iron	16200	25.0	"	15000		108	36.8-162.7				
Lead	105	0.500	"	101		104	69.1-126.7				
Magnesium	2640	5.00	"	2570		103	56.4-124.9				
Manganese	402	0.500	"	370		109	72.2-119.2				
Nickel	66.1	1.00	"	52.2		127	63.4-117.8	High Bias			
Nickel	66.1	1.00	"	52.2		127	63.4-117.8	High Bias			
Potassium	2360	5.00	"	2420		97.5	49.6-118.6				
Selenium	60.6	2.50	"	104		58.3	58.5-122.1	Low Bias			
Silver	29.4	0.500	"	29.9		98.3	63.5-123.7				
Sodium	162	50.0	"	161		101	30.1-139.1				
Thallium	92.5	2.50	"	101		91.5	59.8-120.8				
Vanadium	194	1.00	"	194		99.9	73.2-117				
Zinc	420	2.50	"	431		97.4	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22766 - EPA 7473 soil											
Blank (BC22766-BLK1) Blank								Prepared & Analyzed: 03/23/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC22766-DUP1) Duplicate	*Source sample: 22C1034-01 (Duplicate)							Prepared & Analyzed: 03/23/2022			
Mercury	0.252	0.0343	mg/kg dry		0.185				30.5	35	
Matrix Spike (BC22766-MS1) Matrix Spike	*Source sample: 22C1034-01 (Matrix Spike)							Prepared & Analyzed: 03/23/2022			
Mercury	0.790		mg/kg	0.500	0.162	126	75-125	High Bias			
Reference (BC22766-SRM1) Reference								Prepared & Analyzed: 03/23/2022			
Mercury	27.896		mg/kg	27.2		103	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BC22733 - Analysis Preparation Soil												
Blank (BC22733-BLK1)	Blank								Prepared & Analyzed: 03/23/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC22733-DUP1)	Duplicate	*Source sample: 22C1241-01 (Duplicate)							Prepared & Analyzed: 03/23/2022			
Cyanide, total		1.39	0.644	mg/kg dry		1.65				17.4	15	Non-dir.
Matrix Spike (BC22733-MS1)	Matrix Spike	*Source sample: 22C1241-01 (Matrix Spike)							Prepared & Analyzed: 03/23/2022			
Cyanide, total		9.61	0.644	mg/kg dry	12.9	1.65	61.8	79.6-107	Low Bias			
Reference (BC22733-SRM1)	Reference								Prepared & Analyzed: 03/23/2022			
Cyanide, total		75.6		ug/mL	86.8		87.1	41.82-157.83				
Batch BC22738 - EPA SW846-3060												
Blank (BC22738-BLK1)	Blank								Prepared: 03/23/2022 Analyzed: 03/24/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC22738-DUP1)	Duplicate	*Source sample: 22C1092-24 (Duplicate)							Prepared: 03/23/2022 Analyzed: 03/24/2022			
Chromium, Hexavalent		ND	0.520	mg/kg dry		ND					35	
Matrix Spike (BC22738-MS1)	Matrix Spike	*Source sample: 22C1092-24 (Matrix Spike)							Prepared: 03/23/2022 Analyzed: 03/24/2022			
Chromium, Hexavalent		18.2	0.520	mg/kg dry	20.8	ND	87.6	75-125				
Reference (BC22738-SRM1)	Reference								Prepared: 03/23/2022 Analyzed: 03/24/2022			
Chromium, Hexavalent		63.5		mg/L	109		58.2	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22786 - % Solids Prep											
Duplicate (BC22786-DUP1) Duplicate	*Source sample: 22C1213-04 (EP15_5.5)							Prepared & Analyzed: 03/23/2022			
% Solids	86.3	0.100	%		86.4				0.0770	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1213-01	EP55_0.5	40mL Vial with Stir Bar-Cool 4° C
22C1213-02	EP28_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C1215

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 West 31st St New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kimberly Semaan	Contact:	Contact:		RUSH - Four Day
E-mail: ksemaan@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP55-0.5	S	3/22/22 0920	TAL/Part 375 VOCs, SVOCs, PCBs, Pesticides, herbicides, metals - including cyanide, hexavalent chromium, PFAS, 1,4 Dioxide	
EP28-0.5	S	1130		
EP13-5.5	S	3/22/22 1007	Nickel	
EP15-5.5	S	3/22/22 1010	Nickel	
EP03-5.5	S	1230	Benzo(a)pyrene, Benzo(b) fluoranthene, Indeno (1,2,3-cd) pyrene, Benzo (a) anthracene, Chrysene, Dibenzo (a,h) anthracene	
EP01-PFAS-03222022	Alter QAQ	3/22/22 1300	PFAS	

Comments: Please include lecmail@langan.com, mmonica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ☐ Lab to Filter ☐

1 Samples Relinquished by / Company	Date/Time	2 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
[signature]	3/22/22 1434	[signature] York Analytical Laboratories	3/22/22 1434	[signature] York Analytical Laboratories	3/22/22 1613
3 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
Ivan B	3/22/22 1613	Ivan B	3/22/22 2000		
4 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	3/22/22 2000 / 1.3 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 03/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1303

Report Date: 03/25/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1303

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 23, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

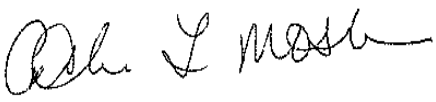
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C1303-01	EP05_-0.5	Soil	03/23/2022	03/23/2022

General Notes for York Project (SDG) No.: 22C1303

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 03/25/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP05_-0.5** **York Sample ID:** **22C1303-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1303	170610601	Soil	March 23, 2022 9:01 am	03/23/2022

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**338**	B	mg/kg dry	1.13	1	EPA 6010D	03/24/2022 14:34	03/25/2022 16:11	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.3**		%	0.100	1	SM 2540G	03/25/2022 10:15	03/25/2022 14:37	TJA
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BC22860 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1303-01	EP05_-0.5	03/24/22
BC22860-BLK1	Blank	03/24/22
BC22860-DUP1	Duplicate	03/24/22
BC22860-MS1	Matrix Spike	03/24/22
BC22860-SRM1	Reference	03/24/22

Batch ID: BC22929 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C1303-01	EP05_-0.5	03/25/22
BC22929-DUP1	Duplicate	03/25/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22860 - EPA 3050B											
Blank (BC22860-BLK1) Blank									Prepared: 03/24/2022 Analyzed: 03/25/2022		
Nickel	1.86	1.00	mg/kg wet								
Duplicate (BC22860-DUP1) Duplicate	*Source sample: 22C1315-01 (Duplicate)								Prepared: 03/24/2022 Analyzed: 03/25/2022		
Nickel	23.3	1.07	mg/kg dry		21.7				7.11	35	
Matrix Spike (BC22860-MS1) Matrix Spike	*Source sample: 22C1315-01 (Matrix Spike)								Prepared: 03/24/2022 Analyzed: 03/25/2022		
Nickel	76.0	1.07	mg/kg dry	53.3	21.7	102	75-125				
Reference (BC22860-SRM1) Reference									Prepared: 03/24/2022 Analyzed: 03/25/2022		
Nickel	65.8	1.00	mg/kg wet	52.2		126	63.4-117.8	High Bias			

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22929 - % Solids Prep											
Duplicate (BC22929-DUP1) Duplicate	*Source sample: 22C1354-10 (Duplicate)							Prepared & Analyzed: 03/25/2022			
% Solids	89.8	0.100	%		90.6				0.810	20	

Sample and Data Qualifiers Relating to This Work Order

M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C1303

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 west 31st st New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kimbisly Seman	Contact:	Contact:
E-mail: kseman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP05 - 0.5	S	3/23/22 0901	Nickel	
~~EP01 - PFAS - 03232022~~	~~other AQ~~	~~3/23/22 1100~~	~~PFAS~~	

Comments: Please include lesmail@langan.com; maronica@langan.com; for all correspondence.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan		Mark N York	3/23/22 1425	Mark N York Labs	3/23/22 1814
3. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
I.B	3/23/22 1814	I.B	3/23/22 2107		
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Blackman	3/23/22 2107 / 2.2 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 04/05/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1681

Report Date: 04/05/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1681

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 30, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C1681-01	EP75_-5.5	Soil	03/30/2022	03/30/2022
22C1681-02	EP14_-5.5	Soil	03/30/2022	03/30/2022
22C1681-03	EP05_-5.5	Soil	03/30/2022	03/30/2022
22C1681-04	FB01_PFAS_03302022	Water	03/30/2022	03/30/2022

General Notes for York Project (SDG) No.: 22C1681

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 04/05/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.067	0.13	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0074**	J	mg/kg dry	0.0067	0.013	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C	04/01/2022 06:33	04/01/2022 11:10	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.4 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*61.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*58.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.5 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*79.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.2 %*	*24-116*

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/31/2022 12:49	04/01/2022 11:26	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*64.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:01	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*99.3 %*	*25-150*
Surrogate: M5PFHxA	*91.3 %*	*25-150*
Surrogate: M4PFHpA	*85.8 %*	*25-150*
Surrogate: M3PFHxS	*84.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.0 %*	*25-150*
Surrogate: M6PFDA	*86.4 %*	*25-150*
Surrogate: M7PFUdA	*93.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*90.2 %*	*25-150*
Surrogate: M2PFTeDA	*78.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*100 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*90.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*90.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*91.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*64.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*94.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*76.4 %*	*25-200*
Surrogate: M9PFNA	*105 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 07:56	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 07:56	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 07:56	CM

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.198	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0396	5	EPA 8081B	03/31/2022 07:53	04/01/2022 07:56	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*92.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.4 %*	*30-150*

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0200	1	EPA 8082A	03/31/2022 07:53	04/01/2022 02:47	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*68.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0241	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:26	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0241	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:26	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0241	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:26	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*69.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4500**		mg/kg dry	6.06	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**12.9**		mg/kg dry	3.03	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.82	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**28.6**		mg/kg dry	3.03	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1080**		mg/kg dry	6.06	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**164**		mg/kg dry	0.606	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**67.2**		mg/kg dry	0.485	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**20.1**		mg/kg dry	2.42	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**39000**		mg/kg dry	30.3	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.674**		mg/kg dry	0.606	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**89700**		mg/kg dry	6.06	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**701**		mg/kg dry	0.606	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**1910**		mg/kg dry	1.21	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**683**		mg/kg dry	6.06	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.03	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.606	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**112**		mg/kg dry	60.6	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.03	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**15.0**		mg/kg dry	1.21	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**29.8**		mg/kg dry	3.03	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:55	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP75_-5.5 **York Sample ID:** 22C1681-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:30 am	03/30/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0363	1	EPA 7473	04/01/2022 16:58	04/01/2022 19:00	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.606	1	EPA 7196A	03/31/2022 16:22	03/31/2022 22:18	LRW
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**164**		mg/kg	0.500	1	Calculation	04/01/2022 16:33	04/01/2022 16:45	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.606	1	EPA 9014/9010C	03/31/2022 14:03	03/31/2022 20:49	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.5**		%	0.100	1	SM 2540G	04/01/2022 13:49	04/01/2022 16:24	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	**1,4-Dichlorobenzene**	**0.0039**	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0033**	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.016**		mg/kg dry	0.0053	0.011	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0054**	J	mg/kg dry	0.0053	0.011	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	03/31/2022 06:11	03/31/2022 18:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.4 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.214	0.428	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.214	0.428	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.107	0.214	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0536	0.107	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.214	0.428	2	EPA 8270D	03/31/2022 07:47	03/31/2022 22:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*51.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.0 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.4 %*	*24-116*

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/31/2022 12:49	04/01/2022 11:43	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.314	1	EPA 537m Certifications:	03/31/2022 13:56	04/05/2022 01:13	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.3 %*	*25-150*
Surrogate: M5PFHxA	*87.3 %*	*25-150*
Surrogate: M4PFHpA	*67.4 %*	*25-150*
Surrogate: M3PFHxS	*97.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.1 %*	*25-150*
Surrogate: M6PFDA	*75.6 %*	*25-150*
Surrogate: M7PFUdA	*76.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.8 %*	*25-150*
Surrogate: M2PFTeDA	*65.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*90.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*69.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*98.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*118 %*	*25-200*
Surrogate: M9PFNA	*85.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 08:13	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 08:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2022 07:53	04/01/2022 08:13	CM

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.209	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0419	5	EPA 8081B	03/31/2022 07:53	04/01/2022 08:13	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.6 %*	*30-150*

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0211	1	EPA 8082A	03/31/2022 07:53	04/01/2022 03:00	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0260	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:37	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0260	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:37	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0260	1	EPA 8151A	03/31/2022 07:43	03/31/2022 23:37	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*86.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7370**		mg/kg dry	6.51	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**6.55**		mg/kg dry	3.26	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.40**		mg/kg dry	1.95	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**37.2**		mg/kg dry	3.26	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.065	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.391	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1650**		mg/kg dry	6.51	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**42.0**		mg/kg dry	0.651	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**16.1**		mg/kg dry	0.521	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**17.3**		mg/kg dry	2.61	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20100**		mg/kg dry	32.6	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**58.4**		mg/kg dry	0.651	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**13500**		mg/kg dry	6.51	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**151**		mg/kg dry	0.651	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**233**		mg/kg dry	1.30	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1640**		mg/kg dry	6.51	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.26	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.651	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**115**		mg/kg dry	65.1	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.26	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.7**		mg/kg dry	1.30	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**30.2**		mg/kg dry	3.26	1	EPA 6010D	03/31/2022 15:58	04/01/2022 13:57	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP14_-5.5 **York Sample ID:** 22C1681-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 12:35 pm	03/30/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.124**		mg/kg dry	0.0391	1	EPA 7473	04/01/2022 16:58	04/01/2022 19:09	ZZZ
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.651	1	EPA 7196A	03/31/2022 16:22	03/31/2022 22:18	LRW
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**42.0**		mg/kg	0.500	1	Calculation	04/01/2022 16:33	04/01/2022 16:45	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.651	1	EPA 9014/9010C	03/31/2022 14:03	03/31/2022 20:49	LRW
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.7**		%	0.100	1	SM 2540G	04/01/2022 13:49	04/01/2022 16:24	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP05_-5.5 **York Sample ID:** 22C1681-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Soil	March 30, 2022 11:49 am	03/30/2022

Nickel by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**140**		mg/kg dry	1.32	1	EPA 6010D	03/31/2022 15:58	04/01/2022 14:00	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**75.8**		%	0.100	1	SM 2540G	04/01/2022 13:49	04/01/2022 16:24	MEW
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **FB01_PFAS_03302022** **York Sample ID:** **22C1681-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Water	March 30, 2022 12:49 pm	03/30/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.92	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL

Sample Information

Client Sample ID: **FB01_PFAS_03302022** **York Sample ID:** **22C1681-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1681	170610601	Water	March 30, 2022 12:49 pm	03/30/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/01/2022 11:15	04/04/2022 22:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*112 %*	*25-150*
Surrogate: M5PFHxA	*93.0 %*	*25-150*
Surrogate: M4PFHpA	*88.1 %*	*25-150*
Surrogate: M3PFHxS	*108 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*	*25-150*
Surrogate: M6PFDA	*101 %*	*25-150*
Surrogate: M7PFUdA	*102 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*108 %*	*25-150*
Surrogate: M2PFTeDA	*76.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*100 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*121 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*40.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*97.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*99.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*75.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*125 %*	*25-200*
Surrogate: M9PFNA	*107 %*	*25-150*

Analytical Batch Summary

Batch ID: BC23255 **Preparation Method:** EPA 3550C/8151A **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23255-BLK1	Blank	03/31/22
BC23255-BS1	LCS	03/31/22
BC23255-MS1	Matrix Spike	03/31/22
BC23255-MSD1	Matrix Spike Dup	03/31/22

Batch ID: BC23258 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23258-BLK1	Blank	03/31/22
BC23258-BS1	LCS	03/31/22
BC23258-MS1	Matrix Spike	03/31/22
BC23258-MSD1	Matrix Spike Dup	03/31/22

Batch ID: BC23259 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23259-BLK1	Blank	03/31/22
BC23259-BLK2	Blank	03/31/22
BC23259-BS1	LCS	03/31/22
BC23259-BS2	LCS	03/31/22
BC23259-MS1	Matrix Spike	03/31/22
BC23259-MS2	Matrix Spike	03/31/22
BC23259-MSD1	Matrix Spike Dup	03/31/22
BC23259-MSD2	Matrix Spike Dup	03/31/22

Batch ID: BC23307 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23307-BLK1	Blank	03/31/22
BC23307-BS1	LCS	03/31/22
BC23307-MS1	Matrix Spike	03/31/22
BC23307-MSD1	Matrix Spike Dup	03/31/22

Batch ID: BC23312 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-02	EP14_-5.5	03/31/22
BC23312-BLK1	Blank	03/31/22
BC23312-BLK2	Blank	03/31/22
BC23312-BS1	LCS	03/31/22
BC23312-BSD1	LCS Dup	03/31/22

Batch ID: BC23318 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23318-BLK1	Blank	03/31/22
BC23318-BS1	LCS	03/31/22
BC23318-MS1	Matrix Spike	03/31/22
BC23318-MSD1	Matrix Spike Dup	03/31/22

Batch ID: BC23321 **Preparation Method:** Analysis Preparation Soil **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23321-BLK1	Blank	03/31/22
BC23321-DUP1	Duplicate	03/31/22
BC23321-MS1	Matrix Spike	03/31/22
BC23321-SRM1	Reference	03/31/22

Batch ID: BC23330 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
22C1681-03	EP05_-5.5	03/31/22
BC23330-BLK1	Blank	03/31/22
BC23330-DUP1	Duplicate	03/31/22
BC23330-MS1	Matrix Spike	03/31/22
BC23330-PS1	Post Spike	03/31/22
BC23330-SRM1	Reference	03/31/22

Batch ID: BC23336 **Preparation Method:** EPA SW846-3060 **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	03/31/22
22C1681-02	EP14_-5.5	03/31/22
BC23336-BLK1	Blank	03/31/22
BC23336-DUP1	Duplicate	03/31/22
BC23336-MS1	Matrix Spike	03/31/22

BC23336-SRM1	Reference	03/31/22

Batch ID: BD20013 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	04/01/22
BD20013-BLK1	Blank	04/01/22
BD20013-BLK2	Blank	04/01/22
BD20013-BLK3	Blank	04/01/22
BD20013-BS1	LCS	04/01/22
BD20013-BSD1	LCS Dup	04/01/22

Batch ID: BD20030 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-04	FB01_PFAS_03302022	04/01/22
BD20030-BLK1	Blank	04/01/22
BD20030-BS1	LCS	04/01/22
BD20030-BSD1	LCS Dup	04/01/22

Batch ID: BD20047 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	04/01/22
22C1681-02	EP14_-5.5	04/01/22
22C1681-03	EP05_-5.5	04/01/22
BD20047-DUP1	Duplicate	04/01/22

Batch ID: BD20064 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	04/01/22
22C1681-02	EP14_-5.5	04/01/22

Batch ID: BD20070 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1681-01	EP75_-5.5	04/01/22
22C1681-02	EP14_-5.5	04/01/22
BD20070-BLK1	Blank	04/01/22
BD20070-DUP1	Duplicate	04/01/22
BD20070-MS1	Matrix Spike	04/01/22
BD20070-SRM1	Reference	04/01/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
Blank (BC23312-BLK1) Blank									Prepared & Analyzed: 03/31/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
Blank (BC23312-BLK1) Blank								Prepared & Analyzed: 03/31/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.2*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				
Blank (BC23312-BLK2) Blank								Prepared & Analyzed: 03/31/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
Blank (BC23312-BLK2) Blank									Prepared & Analyzed: 03/31/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.5*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
LCS (BC23312-BS1) LCS							Prepared & Analyzed: 03/31/2022				
1,1,1,2-Tetrachloroethane	48.8		ug/L	50.0		97.5	75-129				
1,1,1-Trichloroethane	46.5		"	50.0		93.0	71-137				
1,1,2,2-Tetrachloroethane	45.7		"	50.0		91.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.8		"	50.0		114	58-146				
1,1,2-Trichloroethane	47.1		"	50.0		94.1	83-123				
1,1-Dichloroethane	45.6		"	50.0		91.1	75-130				
1,1-Dichloroethylene	56.4		"	50.0		113	64-137				
1,2,3-Trichlorobenzene	44.9		"	50.0		89.7	81-140				
1,2,3-Trichloropropane	44.9		"	50.0		89.7	81-126				
1,2,4-Trichlorobenzene	44.6		"	50.0		89.2	80-141				
1,2,4-Trimethylbenzene	43.0		"	50.0		86.0	84-125				
1,2-Dibromo-3-chloropropane	43.7		"	50.0		87.5	74-142				
1,2-Dibromoethane	49.1		"	50.0		98.1	86-123				
1,2-Dichlorobenzene	45.1		"	50.0		90.2	85-122				
1,2-Dichloroethane	49.4		"	50.0		98.8	71-133				
1,2-Dichloropropane	45.9		"	50.0		91.8	81-122				
1,3,5-Trimethylbenzene	42.4		"	50.0		84.8	82-126				
1,3-Dichlorobenzene	44.1		"	50.0		88.2	84-124				
1,4-Dichlorobenzene	44.7		"	50.0		89.4	84-124				
1,4-Dioxane	861		"	1050		82.0	10-228				
2-Butanone	43.1		"	50.0		86.2	58-147				
2-Hexanone	41.6		"	50.0		83.2	70-139				
4-Methyl-2-pentanone	42.9		"	50.0		85.8	72-132				
Acetone	34.5		"	50.0		69.0	36-155				
Acrolein	47.9		"	50.0		95.9	10-238				
Acrylonitrile	43.3		"	50.0		86.7	66-141				
Benzene	47.3		"	50.0		94.5	77-127				
Bromochloromethane	49.2		"	50.0		98.4	74-129				
Bromodichloromethane	48.2		"	50.0		96.4	81-124				
Bromoform	53.0		"	50.0		106	80-136				
Bromomethane	41.8		"	50.0		83.5	32-177				
Carbon disulfide	42.1		"	50.0		84.2	10-136				
Carbon tetrachloride	48.0		"	50.0		96.1	66-143				
Chlorobenzene	47.5		"	50.0		95.1	86-120				
Chloroethane	44.8		"	50.0		89.6	51-142				
Chloroform	48.5		"	50.0		97.0	76-131				
Chloromethane	33.7		"	50.0		67.5	49-132				
cis-1,2-Dichloroethylene	46.4		"	50.0		92.7	74-132				
cis-1,3-Dichloropropylene	49.0		"	50.0		98.1	81-129				
Cyclohexane	39.0		"	50.0		78.1	70-130				
Dibromochloromethane	50.6		"	50.0		101	10-200				
Dibromomethane	46.4		"	50.0		92.9	83-124				
Dichlorodifluoromethane	24.3		"	50.0		48.6	28-158				
Ethyl Benzene	44.8		"	50.0		89.7	84-125				
Hexachlorobutadiene	42.0		"	50.0		84.1	83-133				
Isopropylbenzene	43.7		"	50.0		87.4	81-127				
Methyl acetate	38.0		"	50.0		76.1	41-143				
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.6	74-131				
Methylcyclohexane	38.9		"	50.0		77.9	70-130				
Methylene chloride	45.6		"	50.0		91.2	57-141				
n-Butylbenzene	40.8		"	50.0		81.5	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
LCS (BC23312-BS1) LCS								Prepared & Analyzed: 03/31/2022			
n-Propylbenzene	42.1		ug/L	50.0		84.3	74-136				
o-Xylene	46.5		"	50.0		93.0	83-123				
p- & m- Xylenes	91.2		"	100		91.2	82-128				
p-Isopropyltoluene	43.3		"	50.0		86.6	85-125				
sec-Butylbenzene	42.0		"	50.0		84.0	83-125				
Styrene	45.8		"	50.0		91.7	86-126				
tert-Butyl alcohol (TBA)	205		"	250		81.9	70-130				
tert-Butylbenzene	43.0		"	50.0		86.1	80-127				
Tetrachloroethylene	39.8		"	50.0		79.6	80-129	Low Bias			
Toluene	43.8		"	50.0		87.5	85-121				
trans-1,2-Dichloroethylene	44.4		"	50.0		88.8	72-132				
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132				
Trichloroethylene	43.2		"	50.0		86.4	84-123				
Trichlorofluoromethane	42.2		"	50.0		84.5	62-140				
Vinyl Chloride	37.9		"	50.0		75.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.7*		*"*	*50.0*		*95.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*96.9*	*76-130*				
LCS Dup (BC23312-BSD1) LCS Dup								Prepared & Analyzed: 03/31/2022			
1,1,1,2-Tetrachloroethane	58.4		ug/L	50.0		117	75-129		18.0	30	
1,1,1-Trichloroethane	56.0		"	50.0		112	71-137		18.6	30	
1,1,2,2-Tetrachloroethane	53.9		"	50.0		108	79-129		16.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63.7		"	50.0		127	58-146		11.6	30	
1,1,2-Trichloroethane	56.0		"	50.0		112	83-123		17.4	30	
1,1-Dichloroethane	53.6		"	50.0		107	75-130		16.2	30	
1,1-Dichloroethylene	65.4		"	50.0		131	64-137		14.9	30	
1,2,3-Trichlorobenzene	53.9		"	50.0		108	81-140		18.3	30	
1,2,3-Trichloropropane	53.2		"	50.0		106	81-126		17.0	30	
1,2,4-Trichlorobenzene	54.0		"	50.0		108	80-141		19.1	30	
1,2,4-Trimethylbenzene	51.2		"	50.0		102	84-125		17.5	30	
1,2-Dibromo-3-chloropropane	54.4		"	50.0		109	74-142		21.7	30	
1,2-Dibromoethane	58.1		"	50.0		116	86-123		16.9	30	
1,2-Dichlorobenzene	53.5		"	50.0		107	85-122		17.1	30	
1,2-Dichloroethane	57.6		"	50.0		115	71-133		15.3	30	
1,2-Dichloropropane	54.7		"	50.0		109	81-122		17.5	30	
1,3,5-Trimethylbenzene	50.6		"	50.0		101	82-126		17.6	30	
1,3-Dichlorobenzene	52.4		"	50.0		105	84-124		17.1	30	
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124		16.3	30	
1,4-Dioxane	1100		"	1050		105	10-228		24.1	30	
2-Butanone	56.1		"	50.0		112	58-147		26.3	30	
2-Hexanone	51.8		"	50.0		104	70-139		21.9	30	
4-Methyl-2-pentanone	52.6		"	50.0		105	72-132		20.4	30	
Acetone	41.8		"	50.0		83.5	36-155		19.0	30	
Acrolein	50.1		"	50.0		100	10-238		4.37	30	
Acrylonitrile	53.0		"	50.0		106	66-141		20.0	30	
Benzene	55.4		"	50.0		111	77-127		15.9	30	
Bromochloromethane	56.2		"	50.0		112	74-129		13.3	30	
Bromodichloromethane	57.4		"	50.0		115	81-124		17.5	30	
Bromoform	63.5		"	50.0		127	80-136		18.0	30	
Bromomethane	42.4		"	50.0		84.8	32-177		1.50	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23312 - EPA 5035A											
LCS Dup (BC23312-BSD1) LCS Dup							Prepared & Analyzed: 03/31/2022				
Carbon disulfide	50.4		ug/L	50.0		101	10-136		18.0	30	
Carbon tetrachloride	57.2		"	50.0		114	66-143		17.3	30	
Chlorobenzene	57.1		"	50.0		114	86-120		18.3	30	
Chloroethane	51.2		"	50.0		102	51-142		13.2	30	
Chloroform	57.2		"	50.0		114	76-131		16.5	30	
Chloromethane	39.1		"	50.0		78.2	49-132		14.7	30	
cis-1,2-Dichloroethylene	54.5		"	50.0		109	74-132		16.1	30	
cis-1,3-Dichloropropylene	58.5		"	50.0		117	81-129		17.6	30	
Cyclohexane	46.2		"	50.0		92.4	70-130		16.8	30	
Dibromochloromethane	60.5		"	50.0		121	10-200		17.8	30	
Dibromomethane	54.7		"	50.0		109	83-124		16.3	30	
Dichlorodifluoromethane	29.5		"	50.0		59.1	28-158		19.4	30	
Ethyl Benzene	53.6		"	50.0		107	84-125		17.9	30	
Hexachlorobutadiene	51.4		"	50.0		103	83-133		20.0	30	
Isopropylbenzene	51.7		"	50.0		103	81-127		16.7	30	
Methyl acetate	47.4		"	50.0		94.8	41-143		21.9	30	
Methyl tert-butyl ether (MTBE)	56.3		"	50.0		113	74-131		15.3	30	
Methylcyclohexane	46.7		"	50.0		93.5	70-130		18.2	30	
Methylene chloride	53.6		"	50.0		107	57-141		16.1	30	
n-Butylbenzene	49.1		"	50.0		98.2	80-130		18.6	30	
n-Propylbenzene	50.4		"	50.0		101	74-136		18.0	30	
o-Xylene	56.0		"	50.0		112	83-123		18.6	30	
p- & m- Xylenes	109		"	100		109	82-128		17.5	30	
p-Isopropyltoluene	51.8		"	50.0		104	85-125		17.9	30	
sec-Butylbenzene	50.8		"	50.0		102	83-125		18.9	30	
Styrene	54.4		"	50.0		109	86-126		17.1	30	
tert-Butyl alcohol (TBA)	240		"	250		96.0	70-130		15.9	30	
tert-Butylbenzene	51.4		"	50.0		103	80-127		17.8	30	
Tetrachloroethylene	47.4		"	50.0		94.9	80-129		17.5	30	
Toluene	52.5		"	50.0		105	85-121		18.2	30	
trans-1,2-Dichloroethylene	52.2		"	50.0		104	72-132		16.2	30	
trans-1,3-Dichloropropylene	61.5		"	50.0		123	78-132		18.3	30	
Trichloroethylene	52.2		"	50.0		104	84-123		18.9	30	
Trichlorofluoromethane	49.9		"	50.0		99.8	62-140		16.7	30	
Vinyl Chloride	45.2		"	50.0		90.5	52-130		17.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.0*		*"*	*50.0*		*96.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK1) Blank									Prepared & Analyzed: 04/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK1) Blank								Prepared & Analyzed: 04/01/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				
Blank (BD20013-BLK2) Blank								Prepared & Analyzed: 04/01/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK2) Blank									Prepared & Analyzed: 04/01/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK3) Blank									Prepared & Analyzed: 04/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK3) Blank								Prepared & Analyzed: 04/01/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.1*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				
LCS (BD20013-BS1) LCS								Prepared & Analyzed: 04/01/2022			
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	44.4		"	50.0		88.8	71-137				
1,1,2,2-Tetrachloroethane	46.1		"	50.0		92.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.7		"	50.0		107	58-146				
1,1,2-Trichloroethane	47.1		"	50.0		94.2	83-123				
1,1-Dichloroethane	43.2		"	50.0		86.4	75-130				
1,1-Dichloroethylene	51.9		"	50.0		104	64-137				
1,2,3-Trichlorobenzene	45.6		"	50.0		91.2	81-140				
1,2,3-Trichloropropane	45.3		"	50.0		90.6	81-126				
1,2,4-Trichlorobenzene	46.0		"	50.0		92.0	80-141				
1,2,4-Trimethylbenzene	43.2		"	50.0		86.3	84-125				
1,2-Dibromo-3-chloropropane	44.8		"	50.0		89.6	74-142				
1,2-Dibromoethane	49.5		"	50.0		99.0	86-123				
1,2-Dichlorobenzene	45.6		"	50.0		91.2	85-122				
1,2-Dichloroethane	48.1		"	50.0		96.1	71-133				
1,2-Dichloropropane	45.8		"	50.0		91.5	81-122				
1,3,5-Trimethylbenzene	42.8		"	50.0		85.5	82-126				
1,3-Dichlorobenzene	44.1		"	50.0		88.1	84-124				
1,4-Dichlorobenzene	44.9		"	50.0		89.8	84-124				
1,4-Dioxane	870		"	1050		82.8	10-228				
2-Butanone	42.1		"	50.0		84.1	58-147				
2-Hexanone	42.6		"	50.0		85.1	70-139				
4-Methyl-2-pentanone	42.8		"	50.0		85.5	72-132				
Acetone	34.7		"	50.0		69.4	36-155				
Acrolein	44.4		"	50.0		88.7	10-238				
Acrylonitrile	43.9		"	50.0		87.9	66-141				
Benzene	44.9		"	50.0		89.8	77-127				
Bromochloromethane	47.1		"	50.0		94.2	74-129				
Bromodichloromethane	48.1		"	50.0		96.2	81-124				
Bromoform	51.7		"	50.0		103	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS (BD20013-BS1) LCS							Prepared & Analyzed: 04/01/2022				
Bromomethane	37.6		ug/L	50.0		75.2	32-177				
Carbon disulfide	38.1		"	50.0		76.2	10-136				
Carbon tetrachloride	45.3		"	50.0		90.7	66-143				
Chlorobenzene	47.3		"	50.0		94.6	86-120				
Chloroethane	40.9		"	50.0		81.9	51-142				
Chloroform	46.0		"	50.0		92.1	76-131				
Chloromethane	28.9		"	50.0		57.8	49-132				
cis-1,2-Dichloroethylene	44.2		"	50.0		88.5	74-132				
cis-1,3-Dichloropropylene	48.9		"	50.0		97.9	81-129				
Cyclohexane	37.4		"	50.0		74.7	70-130				
Dibromochloromethane	50.2		"	50.0		100	10-200				
Dibromomethane	46.6		"	50.0		93.1	83-124				
Dichlorodifluoromethane	19.7		"	50.0		39.3	28-158				
Ethyl Benzene	44.9		"	50.0		89.8	84-125				
Hexachlorobutadiene	43.3		"	50.0		86.7	83-133				
Isopropylbenzene	43.7		"	50.0		87.4	81-127				
Methyl acetate	36.5		"	50.0		73.0	41-143				
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.2	74-131				
Methylcyclohexane	38.5		"	50.0		77.1	70-130				
Methylene chloride	43.0		"	50.0		86.0	57-141				
n-Butylbenzene	41.2		"	50.0		82.4	80-130				
n-Propylbenzene	42.3		"	50.0		84.6	74-136				
o-Xylene	46.7		"	50.0		93.4	83-123				
p- & m- Xylenes	90.6		"	100		90.6	82-128				
p-Isopropyltoluene	43.5		"	50.0		87.0	85-125				
sec-Butylbenzene	42.3		"	50.0		84.7	83-125				
Styrene	45.3		"	50.0		90.5	86-126				
tert-Butyl alcohol (TBA)	193		"	250		77.3	70-130				
tert-Butylbenzene	43.0		"	50.0		86.0	80-127				
Tetrachloroethylene	39.6		"	50.0		79.1	80-129	Low Bias			
Toluene	43.7		"	50.0		87.4	85-121				
trans-1,2-Dichloroethylene	41.8		"	50.0		83.7	72-132				
trans-1,3-Dichloropropylene	51.6		"	50.0		103	78-132				
Trichloroethylene	43.4		"	50.0		86.7	84-123				
Trichlorofluoromethane	39.3		"	50.0		78.6	62-140				
Vinyl Chloride	34.8		"	50.0		69.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.5*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS Dup (BD20013-BSD1) LCS Dup							Prepared & Analyzed: 04/01/2022				
1,1,1,2-Tetrachloroethane	52.0		ug/L	50.0		104	75-129		7.21	30	
1,1,1-Trichloroethane	47.8		"	50.0		95.6	71-137		7.33	30	
1,1,2,2-Tetrachloroethane	49.6		"	50.0		99.3	79-129		7.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.6		"	50.0		113	58-146		5.10	30	
1,1,2-Trichloroethane	50.9		"	50.0		102	83-123		7.78	30	
1,1-Dichloroethane	45.4		"	50.0		90.9	75-130		5.10	30	
1,1-Dichloroethylene	54.9		"	50.0		110	64-137		5.77	30	
1,2,3-Trichlorobenzene	49.4		"	50.0		98.7	81-140		7.96	30	
1,2,3-Trichloropropane	49.0		"	50.0		98.1	81-126		7.88	30	
1,2,4-Trichlorobenzene	48.7		"	50.0		97.4	80-141		5.77	30	
1,2,4-Trimethylbenzene	46.7		"	50.0		93.4	84-125		7.88	30	
1,2-Dibromo-3-chloropropane	48.7		"	50.0		97.5	74-142		8.45	30	
1,2-Dibromoethane	52.6		"	50.0		105	86-123		6.15	30	
1,2-Dichlorobenzene	48.6		"	50.0		97.3	85-122		6.45	30	
1,2-Dichloroethane	49.2		"	50.0		98.5	71-133		2.42	30	
1,2-Dichloropropane	49.2		"	50.0		98.3	81-122		7.18	30	
1,3,5-Trimethylbenzene	46.0		"	50.0		92.0	82-126		7.30	30	
1,3-Dichlorobenzene	47.6		"	50.0		95.2	84-124		7.66	30	
1,4-Dichlorobenzene	48.6		"	50.0		97.1	84-124		7.77	30	
1,4-Dioxane	946		"	1050		90.1	10-228		8.43	30	
2-Butanone	44.2		"	50.0		88.4	58-147		4.98	30	
2-Hexanone	46.5		"	50.0		93.0	70-139		8.87	30	
4-Methyl-2-pentanone	46.7		"	50.0		93.4	72-132		8.87	30	
Acetone	35.2		"	50.0		70.5	36-155		1.49	30	
Acrolein	48.1		"	50.0		96.1	10-238		8.01	30	
Acrylonitrile	44.3		"	50.0		88.6	66-141		0.839	30	
Benzene	47.2		"	50.0		94.5	77-127		5.08	30	
Bromochloromethane	49.6		"	50.0		99.2	74-129		5.19	30	
Bromodichloromethane	51.7		"	50.0		103	81-124		7.12	30	
Bromoform	57.3		"	50.0		115	80-136		10.3	30	
Bromomethane	36.2		"	50.0		72.4	32-177		3.77	30	
Carbon disulfide	40.8		"	50.0		81.6	10-136		6.85	30	
Carbon tetrachloride	48.6		"	50.0		97.3	66-143		7.04	30	
Chlorobenzene	51.2		"	50.0		102	86-120		7.86	30	
Chloroethane	42.1		"	50.0		84.1	51-142		2.75	30	
Chloroform	48.4		"	50.0		96.7	76-131		4.94	30	
Chloromethane	29.9		"	50.0		59.9	49-132		3.60	30	
cis-1,2-Dichloroethylene	46.7		"	50.0		93.4	74-132		5.43	30	
cis-1,3-Dichloropropylene	52.9		"	50.0		106	81-129		7.81	30	
Cyclohexane	38.6		"	50.0		77.2	70-130		3.32	30	
Dibromochloromethane	54.9		"	50.0		110	10-200		8.98	30	
Dibromomethane	49.8		"	50.0		99.6	83-124		6.68	30	
Dichlorodifluoromethane	20.6		"	50.0		41.1	28-158		4.48	30	
Ethyl Benzene	47.8		"	50.0		95.6	84-125		6.30	30	
Hexachlorobutadiene	45.4		"	50.0		90.8	83-133		4.66	30	
Isopropylbenzene	46.6		"	50.0		93.3	81-127		6.51	30	
Methyl acetate	39.3		"	50.0		78.5	41-143		7.31	30	
Methyl tert-butyl ether (MTBE)	48.5		"	50.0		97.0	74-131		6.12	30	
Methylcyclohexane	41.0		"	50.0		82.0	70-130		6.21	30	
Methylene chloride	45.5		"	50.0		90.9	57-141		5.52	30	
n-Butylbenzene	45.5		"	50.0		90.9	80-130		9.90	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS Dup (BD20013-BSD1) LCS Dup								Prepared & Analyzed: 04/01/2022			
n-Propylbenzene	45.6		ug/L	50.0		91.2	74-136		7.49	30	
o-Xylene	49.9		"	50.0		99.9	83-123		6.64	30	
p- & m- Xylenes	97.8		"	100		97.8	82-128		7.71	30	
p-Isopropyltoluene	46.8		"	50.0		93.5	85-125		7.29	30	
sec-Butylbenzene	45.5		"	50.0		91.1	83-125		7.26	30	
Styrene	49.1		"	50.0		98.3	86-126		8.18	30	
tert-Butyl alcohol (TBA)	213		"	250		85.2	70-130		9.78	30	
tert-Butylbenzene	46.3		"	50.0		92.6	80-127		7.37	30	
Tetrachloroethylene	42.9		"	50.0		85.8	80-129		8.15	30	
Toluene	47.0		"	50.0		94.0	85-121		7.28	30	
trans-1,2-Dichloroethylene	44.4		"	50.0		88.9	72-132		6.07	30	
trans-1,3-Dichloropropylene	55.2		"	50.0		110	78-132		6.69	30	
Trichloroethylene	46.4		"	50.0		92.8	84-123		6.80	30	
Trichlorofluoromethane	41.2		"	50.0		82.3	62-140		4.62	30	
Vinyl Chloride	36.1		"	50.0		72.2	52-130		3.84	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC23258 - EPA 3546 SVOA

Blank (BC23258-BLK1) Blank — Prepared & Analyzed: 03/31/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
Blank (BC23258-BLK1) Blank									Prepared & Analyzed: 03/31/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.18*		"	*1.66*		*71.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.19*		"	*1.66*		*71.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.580*		"	*0.831*		*69.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.628*		"	*0.831*		*75.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.43*		"	*1.66*		*85.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.619*		"	*0.831*		*74.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
LCS (BC23258-BS1) LCS							Prepared & Analyzed: 03/31/2022				
1,1-Biphenyl	0.669	0.0416	mg/kg wet	0.831		80.6	18-111				
1,2,4,5-Tetrachlorobenzene	0.698	0.0830	"	0.831		84.1	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.481	0.0416	"	0.831		58.0	17-137				
2,3,4,6-Tetrachlorophenol	0.668	0.0830	"	0.831		80.5	30-130				
2,4,5-Trichlorophenol	0.582	0.0416	"	0.831		70.0	27-118				
2,4,6-Trichlorophenol	0.624	0.0416	"	0.831		75.1	31-120				
2,4-Dichlorophenol	0.616	0.0416	"	0.831		74.2	20-127				
2,4-Dimethylphenol	0.546	0.0416	"	0.831		65.8	14-132				
2,4-Dinitrophenol	0.995	0.0830	"	0.831		120	10-171				
2,4-Dinitrotoluene	0.742	0.0416	"	0.831		89.4	34-131				
2,6-Dinitrotoluene	0.696	0.0416	"	0.831		83.8	31-128				
2-Chloronaphthalene	0.622	0.0416	"	0.831		74.9	31-117				
2-Chlorophenol	0.597	0.0416	"	0.831		71.9	33-113				
2-Methylnaphthalene	0.570	0.0416	"	0.831		68.6	12-138				
2-Methylphenol	0.645	0.0416	"	0.831		77.6	10-136				
2-Nitroaniline	0.683	0.0830	"	0.831		82.2	27-132				
2-Nitrophenol	0.633	0.0416	"	0.831		76.2	17-129				
3- & 4-Methylphenols	0.547	0.0416	"	0.831		65.8	29-103				
3,3-Dichlorobenzidine	0.397	0.0416	"	0.831		47.8	22-149				
3-Nitroaniline	0.515	0.0830	"	0.831		62.0	20-133				
4,6-Dinitro-2-methylphenol	0.834	0.0830	"	0.831		100	10-143				
4-Bromophenyl phenyl ether	0.613	0.0416	"	0.831		73.8	29-120				
4-Chloro-3-methylphenol	0.541	0.0416	"	0.831		65.1	24-129				
4-Chloroaniline	0.322	0.0416	"	0.831		38.7	10-132				
4-Chlorophenyl phenyl ether	0.607	0.0416	"	0.831		73.1	27-124				
4-Nitroaniline	0.600	0.0830	"	0.831		72.2	16-128				
4-Nitrophenol	0.611	0.0830	"	0.831		73.5	10-141				
Acenaphthene	0.601	0.0416	"	0.831		72.3	30-121				
Acenaphthylene	0.629	0.0416	"	0.831		75.7	30-115				
Acetophenone	0.622	0.0416	"	0.831		74.8	20-112				
Aniline	0.533	0.166	"	0.831		64.1	10-119				
Anthracene	0.607	0.0416	"	0.831		73.1	34-118				
Atrazine	0.707	0.0416	"	0.831		85.2	26-112				
Benzaldehyde	0.597	0.0416	"	0.831		71.9	21-100				
Benzo(a)anthracene	0.642	0.0416	"	0.831		77.3	32-122				
Benzo(a)pyrene	0.651	0.0416	"	0.831		78.4	29-133				
Benzo(b)fluoranthene	0.673	0.0416	"	0.831		81.0	25-133				
Benzo(g,h,i)perylene	0.157	0.0416	"	0.831		19.0	10-143				
Benzo(k)fluoranthene	0.658	0.0416	"	0.831		79.2	25-128				
Benzoic acid	0.382	0.0416	"	0.831		46.0	10-140				
Benzyl alcohol	0.583	0.0416	"	0.831		70.2	30-115				
Benzyl butyl phthalate	0.638	0.0416	"	0.831		76.8	26-126				
Bis(2-chloroethoxy)methane	0.541	0.0416	"	0.831		65.1	19-132				
Bis(2-chloroethyl)ether	0.560	0.0416	"	0.831		67.4	19-125				
Bis(2-chloroisopropyl)ether	0.542	0.0416	"	0.831		65.2	20-135				
Bis(2-ethylhexyl)phthalate	0.681	0.0416	"	0.831		82.0	10-155				
Caprolactam	0.626	0.0830	"	0.831		75.4	10-127				
Carbazole	0.579	0.0416	"	0.831		69.7	35-123				
Chrysene	0.623	0.0416	"	0.831		75.0	32-123				
Dibenzo(a,h)anthracene	0.711	0.0416	"	0.831		85.6	10-136				
Dibenzofuran	0.627	0.0416	"	0.831		75.4	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
LCS (BC23258-BS1) LCS							Prepared & Analyzed: 03/31/2022				
Diethyl phthalate	0.607	0.0416	mg/kg wet	0.831		73.1	34-116				
Dimethyl phthalate	0.599	0.0416	"	0.831		72.2	35-124				
Di-n-butyl phthalate	0.639	0.0416	"	0.831		76.9	31-116				
Di-n-octyl phthalate	0.713	0.0416	"	0.831		85.8	26-136				
Diphenylamine	0.659	0.0830	"	0.831		79.4	40-140				
Fluoranthene	0.604	0.0416	"	0.831		72.7	33-122				
Fluorene	0.635	0.0416	"	0.831		76.4	29-123				
Hexachlorobenzene	0.536	0.0416	"	0.831		64.5	21-124				
Hexachlorobutadiene	0.544	0.0416	"	0.831		65.5	10-149				
Hexachlorocyclopentadiene	0.641	0.0416	"	0.831		77.1	10-129				
Hexachloroethane	0.557	0.0416	"	0.831		67.1	28-108				
Indeno(1,2,3-cd)pyrene	0.722	0.0416	"	0.831		86.9	10-135				
Isophorone	0.564	0.0416	"	0.831		68.0	20-132				
Naphthalene	0.631	0.0416	"	0.831		75.9	23-124				
Nitrobenzene	0.530	0.0416	"	0.831		63.8	13-132				
N-Nitrosodimethylamine	1.38	0.0416	"	0.831		166	11-129	High Bias			
N-nitroso-di-n-propylamine	0.561	0.0416	"	0.831		67.5	24-119				
N-Nitrosodiphenylamine	0.648	0.0416	"	0.831		78.0	22-152				
Pentachlorophenol	0.563	0.0416	"	0.831		67.8	10-139				
Phenanthrene	0.582	0.0416	"	0.831		70.1	33-123				
Phenol	0.570	0.0416	"	0.831		68.6	23-115				
Pyrene	0.602	0.0416	"	0.831		72.4	24-130				
Pyridine	1.24	0.166	"	0.831		149	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.10*		"	*1.66*		*66.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.10*		"	*1.66*		*66.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.535*		"	*0.831*		*64.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.623*		"	*0.831*		*75.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.45*		"	*1.66*		*87.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.657*		"	*0.831*		*79.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
Matrix Spike (BC23258-MS1) Matrix Spike	*Source sample: 22C1438-01 (Matrix Spike)							Prepared & Analyzed: 03/31/2022			
1,1-Biphenyl	0.661	0.0931	mg/kg dry	0.930	ND	71.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.623	0.186	"	0.930	ND	67.0	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.495	0.0931	"	0.930	ND	53.2	10-144				
2,3,4,6-Tetrachlorophenol	0.620	0.186	"	0.930	ND	66.7	30-130				
2,4,5-Trichlorophenol	0.569	0.0931	"	0.930	ND	61.2	10-127				
2,4,6-Trichlorophenol	0.611	0.0931	"	0.930	ND	65.7	10-132				
2,4-Dichlorophenol	0.571	0.0931	"	0.930	ND	61.4	10-128				
2,4-Dimethylphenol	0.567	0.0931	"	0.930	ND	61.0	10-137				
2,4-Dinitrophenol	ND	0.186	"	0.930	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.637	0.0931	"	0.930	ND	68.5	16-135				
2,6-Dinitrotoluene	0.613	0.0931	"	0.930	ND	65.9	18-131				
2-Chloronaphthalene	0.591	0.0931	"	0.930	ND	63.6	10-129				
2-Chlorophenol	0.531	0.0931	"	0.930	ND	57.1	15-116				
2-Methylnaphthalene	0.574	0.0931	"	0.930	ND	61.8	10-147				
2-Methylphenol	0.573	0.0931	"	0.930	ND	61.6	10-136				
2-Nitroaniline	0.743	0.186	"	0.930	ND	79.9	10-137				
2-Nitrophenol	0.445	0.0931	"	0.930	ND	47.8	10-129				
3- & 4-Methylphenols	0.502	0.0931	"	0.930	ND	54.0	10-123				
3,3-Dichlorobenzidine	0.447	0.0931	"	0.930	ND	48.1	10-155				
3-Nitroaniline	0.700	0.186	"	0.930	ND	75.3	12-133				
4,6-Dinitro-2-methylphenol	ND	0.186	"	0.930	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.603	0.0931	"	0.930	ND	64.8	14-128				
4-Chloro-3-methylphenol	0.585	0.0931	"	0.930	ND	62.9	10-134				
4-Chloroaniline	0.468	0.0931	"	0.930	ND	50.3	10-145				
4-Chlorophenyl phenyl ether	0.579	0.0931	"	0.930	ND	62.3	14-130				
4-Nitroaniline	0.686	0.186	"	0.930	ND	73.8	10-147				
4-Nitrophenol	0.549	0.186	"	0.930	ND	59.0	10-137				
Acenaphthene	0.579	0.0931	"	0.930	ND	62.2	10-146				
Acenaphthylene	0.615	0.0931	"	0.930	ND	66.2	10-134				
Acetophenone	0.572	0.0931	"	0.930	ND	61.5	10-116				
Aniline	0.463	0.373	"	0.930	ND	49.8	10-123				
Anthracene	0.614	0.0931	"	0.930	ND	66.1	10-142				
Atrazine	0.651	0.0931	"	0.930	ND	70.0	19-115				
Benzaldehyde	0.611	0.0931	"	0.930	ND	65.7	10-125				
Benzo(a)anthracene	0.642	0.0931	"	0.930	ND	69.0	10-158				
Benzo(a)pyrene	0.703	0.0931	"	0.930	ND	75.6	10-180				
Benzo(b)fluoranthene	0.749	0.0931	"	0.930	ND	80.6	10-200				
Benzo(g,h,i)perylene	0.719	0.0931	"	0.930	ND	77.3	10-138				
Benzo(k)fluoranthene	0.676	0.0931	"	0.930	ND	72.7	10-197				
Benzoic acid	0.298	0.0931	"	0.930	ND	32.1	10-166				
Benzyl alcohol	0.510	0.0931	"	0.930	ND	54.8	12-124				
Benzyl butyl phthalate	0.549	0.0931	"	0.930	ND	59.0	10-154				
Bis(2-chloroethoxy)methane	0.516	0.0931	"	0.930	ND	55.5	10-132				
Bis(2-chloroethyl)ether	0.523	0.0931	"	0.930	ND	56.2	10-119				
Bis(2-chloroisopropyl)ether	0.490	0.0931	"	0.930	ND	52.7	10-139				
Bis(2-ethylhexyl)phthalate	0.606	0.0931	"	0.930	ND	65.2	10-167				
Caprolactam	0.608	0.186	"	0.930	ND	65.4	10-132				
Carbazole	0.555	0.0931	"	0.930	ND	59.7	10-167				
Chrysene	0.610	0.0931	"	0.930	ND	65.6	10-156				
Dibenzo(a,h)anthracene	0.800	0.0931	"	0.930	ND	86.0	10-137				
Dibenzofuran	0.635	0.0931	"	0.930	ND	68.3	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
Matrix Spike (BC23258-MS1) Matrix Spike	*Source sample: 22C1438-01 (Matrix Spike)							Prepared & Analyzed: 03/31/2022			
Diethyl phthalate	0.589	0.0931	mg/kg dry	0.930	ND	63.4	20-120				
Dimethyl phthalate	0.619	0.0931	"	0.930	ND	66.6	18-131				
Di-n-butyl phthalate	0.599	0.0931	"	0.930	ND	64.4	10-137				
Di-n-octyl phthalate	0.694	0.0931	"	0.930	ND	74.6	10-180				
Diphenylamine	0.675	0.186	"	0.930	ND	72.6	40-140				
Fluoranthene	0.588	0.0931	"	0.930	ND	63.2	10-160				
Fluorene	0.633	0.0931	"	0.930	ND	68.1	10-157				
Hexachlorobenzene	0.552	0.0931	"	0.930	ND	59.4	10-137				
Hexachlorobutadiene	0.602	0.0931	"	0.930	ND	64.7	10-132				
Hexachlorocyclopentadiene	0.0669	0.0931	"	0.930	ND	7.20	10-106	Low Bias			
Hexachloroethane	0.414	0.0931	"	0.930	ND	44.5	10-110				
Indeno(1,2,3-cd)pyrene	0.809	0.0931	"	0.930	ND	87.0	10-144				
Isophorone	0.576	0.0931	"	0.930	ND	61.9	10-132				
Naphthalene	0.559	0.0931	"	0.930	ND	60.2	10-141				
Nitrobenzene	0.472	0.0931	"	0.930	ND	50.7	10-131				
N-Nitrosodimethylamine	1.26	0.0931	"	0.930	ND	136	10-126	High Bias			
N-nitroso-di-n-propylamine	0.503	0.0931	"	0.930	ND	54.1	10-125				
N-Nitrosodiphenylamine	0.656	0.0931	"	0.930	ND	70.6	10-177				
Pentachlorophenol	0.581	0.0931	"	0.930	ND	62.5	10-153				
Phenanthrene	0.580	0.0931	"	0.930	ND	62.4	10-148				
Phenol	0.541	0.0931	"	0.930	ND	58.2	10-126				
Pyrene	0.560	0.0931	"	0.930	ND	60.2	10-165				
Pyridine	0.995	0.373	"	0.930	ND	107	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.05*		*"*	*1.86*		*56.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.992*		*"*	*1.86*		*53.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.475*		*"*	*0.930*		*51.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.582*		*"*	*0.930*		*62.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.34*		*"*	*1.86*		*71.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.591*		*"*	*0.930*		*63.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
Matrix Spike Dup (BC23258-M Matrix Spike Dup	*Source sample: 22C1438-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/31/2022			
1,1-Biphenyl	0.710	0.0931	mg/kg dry	0.930	ND	76.3	10-130		7.17	30	
1,2,4,5-Tetrachlorobenzene	0.705	0.186	"	0.930	ND	75.8	10-133		12.4	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.581	0.0931	"	0.930	ND	62.5	10-144		16.0	30	
2,3,4,6-Tetrachlorophenol	0.569	0.186	"	0.930	ND	61.2	30-130		8.63	30	
2,4,5-Trichlorophenol	0.597	0.0931	"	0.930	ND	64.2	10-127		4.72	30	
2,4,6-Trichlorophenol	0.640	0.0931	"	0.930	ND	68.8	10-132		4.64	30	
2,4-Dichlorophenol	0.650	0.0931	"	0.930	ND	69.9	10-128		13.0	30	
2,4-Dimethylphenol	0.579	0.0931	"	0.930	ND	62.2	10-137		2.08	30	
2,4-Dinitrophenol	ND	0.186	"	0.930	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.661	0.0931	"	0.930	ND	71.0	16-135		3.67	30	
2,6-Dinitrotoluene	0.704	0.0931	"	0.930	ND	75.8	18-131		13.9	30	
2-Chloronaphthalene	0.655	0.0931	"	0.930	ND	70.5	10-129		10.3	30	
2-Chlorophenol	0.648	0.0931	"	0.930	ND	69.7	15-116		19.8	30	
2-Methylnaphthalene	0.629	0.0931	"	0.930	ND	67.7	10-147		9.15	30	
2-Methylphenol	0.676	0.0931	"	0.930	ND	72.7	10-136		16.6	30	
2-Nitroaniline	0.730	0.186	"	0.930	ND	78.6	10-137		1.72	30	
2-Nitrophenol	0.471	0.0931	"	0.930	ND	50.6	10-129		5.69	30	
3- & 4-Methylphenols	0.579	0.0931	"	0.930	ND	62.2	10-123		14.2	30	
3,3-Dichlorobenzidine	0.408	0.0931	"	0.930	ND	43.8	10-155		9.23	30	
3-Nitroaniline	0.694	0.186	"	0.930	ND	74.6	12-133		0.854	30	
4,6-Dinitro-2-methylphenol	ND	0.186	"	0.930	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.705	0.0931	"	0.930	ND	75.8	14-128		15.7	30	
4-Chloro-3-methylphenol	0.620	0.0931	"	0.930	ND	66.7	10-134		5.93	30	
4-Chloroaniline	0.480	0.0931	"	0.930	ND	51.6	10-145		2.51	30	
4-Chlorophenyl phenyl ether	0.607	0.0931	"	0.930	ND	65.3	14-130		4.64	30	
4-Nitroaniline	0.703	0.186	"	0.930	ND	75.6	10-147		2.46	30	
4-Nitrophenol	0.530	0.186	"	0.930	ND	57.0	10-137		3.59	30	
Acenaphthene	0.644	0.0931	"	0.930	ND	69.3	10-146		10.7	30	
Acenaphthylene	0.612	0.0931	"	0.930	ND	65.8	10-134		0.485	30	
Acetophenone	0.663	0.0931	"	0.930	ND	71.3	10-116		14.7	30	
Aniline	0.521	0.373	"	0.930	ND	56.1	10-123		11.9	30	
Anthracene	0.675	0.0931	"	0.930	ND	72.6	10-142		9.35	30	
Atrazine	0.801	0.0931	"	0.930	ND	86.2	19-115		20.7	30	
Benzaldehyde	0.673	0.0931	"	0.930	ND	72.4	10-125		9.73	30	
Benzo(a)anthracene	0.681	0.0931	"	0.930	ND	73.3	10-158		5.96	30	
Benzo(a)pyrene	0.762	0.0931	"	0.930	ND	81.9	10-180		8.02	30	
Benzo(b)fluoranthene	0.812	0.0931	"	0.930	ND	87.3	10-200		8.01	30	
Benzo(g,h,i)perylene	0.778	0.0931	"	0.930	ND	83.7	10-138		7.95	30	
Benzo(k)fluoranthene	0.765	0.0931	"	0.930	ND	82.3	10-197		12.4	30	
Benzoic acid	0.379	0.0931	"	0.930	ND	40.8	10-166		23.9	30	
Benzyl alcohol	0.589	0.0931	"	0.930	ND	63.4	12-124		14.5	30	
Benzyl butyl phthalate	0.607	0.0931	"	0.930	ND	65.3	10-154		10.0	30	
Bis(2-chloroethoxy)methane	0.582	0.0931	"	0.930	ND	62.6	10-132		12.1	30	
Bis(2-chloroethyl)ether	0.585	0.0931	"	0.930	ND	63.0	10-119		11.3	30	
Bis(2-chloroisopropyl)ether	0.603	0.0931	"	0.930	ND	64.9	10-139		20.7	30	
Bis(2-ethylhexyl)phthalate	0.659	0.0931	"	0.930	ND	70.9	10-167		8.35	30	
Caprolactam	0.631	0.186	"	0.930	ND	67.8	10-132		3.60	30	
Carbazole	0.642	0.0931	"	0.930	ND	69.0	10-167		14.5	30	
Chrysene	0.655	0.0931	"	0.930	ND	70.5	10-156		7.17	30	
Dibenzo(a,h)anthracene	0.851	0.0931	"	0.930	ND	91.5	10-137		6.22	30	
Dibenzofuran	0.640	0.0931	"	0.930	ND	68.8	10-147		0.700	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23258 - EPA 3546 SVOA											
Matrix Spike Dup (BC23258-M Matrix Spike Dup	*Source sample: 22C1438-01 (Matrix Spike Dup)								Prepared & Analyzed: 03/31/2022		
Diethyl phthalate	0.612	0.0931	mg/kg dry	0.930	ND	65.8	20-120		3.84	30	
Dimethyl phthalate	0.643	0.0931	"	0.930	ND	69.1	18-131		3.77	30	
Di-n-butyl phthalate	0.668	0.0931	"	0.930	ND	71.8	10-137		10.9	30	
Di-n-octyl phthalate	0.751	0.0931	"	0.930	ND	80.7	10-180		7.83	30	
Diphenylamine	0.811	0.186	"	0.930	ND	87.2	40-140		18.2	30	
Fluoranthene	0.667	0.0931	"	0.930	ND	71.7	10-160		12.6	30	
Fluorene	0.651	0.0931	"	0.930	ND	70.0	10-157		2.78	30	
Hexachlorobenzene	0.602	0.0931	"	0.930	ND	64.7	10-137		8.64	30	
Hexachlorobutadiene	0.632	0.0931	"	0.930	ND	68.0	10-132		4.94	30	
Hexachlorocyclopentadiene	0.0974	0.0931	"	0.930	ND	10.5	10-106		37.1	30	Non-dir.
Hexachloroethane	0.482	0.0931	"	0.930	ND	51.8	10-110		15.3	30	
Indeno(1,2,3-cd)pyrene	0.810	0.0931	"	0.930	ND	87.1	10-144		0.184	30	
Isophorone	0.574	0.0931	"	0.930	ND	61.8	10-132		0.259	30	
Naphthalene	0.669	0.0931	"	0.930	ND	71.9	10-141		17.8	30	
Nitrobenzene	0.579	0.0931	"	0.930	ND	62.3	10-131		20.5	30	
N-Nitrosodimethylamine	1.55	0.0931	"	0.930	ND	166	10-126	High Bias	20.1	30	
N-nitroso-di-n-propylamine	0.587	0.0931	"	0.930	ND	63.1	10-125		15.4	30	
N-Nitrosodiphenylamine	0.780	0.0931	"	0.930	ND	83.9	10-177		17.3	30	
Pentachlorophenol	0.634	0.0931	"	0.930	ND	68.2	10-153		8.70	30	
Phenanthrene	0.658	0.0931	"	0.930	ND	70.7	10-148		12.5	30	
Phenol	0.631	0.0931	"	0.930	ND	67.8	10-126		15.4	30	
Pyrene	0.626	0.0931	"	0.930	ND	67.4	10-165		11.2	30	
Pyridine	1.22	0.373	"	0.930	ND	131	10-83	High Bias	20.4	30	
Surrogate: SURR: 2-Fluorophenol	*1.21*		"	*1.86*		*65.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		"	*1.86*		*64.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.619*		"	*0.930*		*66.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.701*		"	*0.930*		*75.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.62*		"	*1.86*		*87.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.655*		"	*0.930*		*70.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23307 - EPA 3550C											
Blank (BC23307-BLK1) Blank									Prepared: 03/31/2022 Analyzed: 04/01/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
LCS (BC23307-BS1) LCS									Prepared: 03/31/2022 Analyzed: 04/01/2022		
1,4-Dioxane	495	19.8	ug/kg	495		100	40-130				
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
Matrix Spike (BC23307-MS1) Matrix Spike *Source sample: 22C1668-01 (Matrix Spike)									Prepared: 03/31/2022 Analyzed: 04/01/2022		
1,4-Dioxane	478	19.8	ug/kg	495	ND	96.6	40-130				
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*40-130*				
Matrix Spike Dup (BC23307-M Matrix Spike Dup *Source sample: 22C1668-01 (Matrix Spike Dup)									Prepared: 03/31/2022 Analyzed: 04/01/2022		
1,4-Dioxane	478	19.8	ug/kg	495	ND	96.6	40-130		0.00	30	
Surrogate: 1,4-Dioxane-d8	*287*		*"*	*495*		*58.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC23318 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC23318-BLK1) Blank — Prepared: 03/31/2022 Analyzed: 04/05/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.244	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.244	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.244	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.244	"								
Perfluorooctanoic acid (PFOA)	ND	0.244	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.244	"								
Perfluorononanoic acid (PFNA)	ND	0.244	"								
Perfluorodecanoic acid (PFDA)	ND	0.244	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.244	"								
Perfluorododecanoic acid (PFDoA)	ND	0.244	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.244	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.244	"								
N-MeFOSAA	ND	0.244	"								
N-EtFOSAA	ND	0.244	"								
Perfluoropentanoic acid (PFPeA)	ND	0.244	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.244	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.244	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.244	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.244	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.244	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.244	"								
Surrogate: M3PFBS	*3.19*		"	*4.53*		*70.4*	*25-150*				
Surrogate: M5PFHxA	*4.72*		"	*4.88*		*96.6*	*25-150*				
Surrogate: M4PFHpA	*4.04*		"	*4.88*		*82.7*	*25-150*				
Surrogate: M3PFHxS	*4.16*		"	*4.62*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.71*		"	*4.88*		*96.5*	*25-150*				
Surrogate: M6PFDA	*4.08*		"	*4.88*		*83.6*	*25-150*				
Surrogate: M7PFUdA	*4.08*		"	*4.88*		*83.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.48*		"	*4.88*		*91.8*	*25-150*				
Surrogate: M2PFTeDA	*3.64*		"	*4.88*		*74.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.83*		"	*4.88*		*99.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.84*		"	*4.67*		*82.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.77*		"	*4.88*		*97.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.23*		"	*4.88*		*86.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.80*		"	*4.88*		*78.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.11*		"	*4.88*		*84.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.88*		"	*4.63*		*83.7*	*25-200*				
Surrogate: M2-8:2 FTS	*3.97*		"	*4.68*		*84.9*	*25-200*				
Surrogate: M9PFNA	*4.76*		"	*4.88*		*97.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23318 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BC23318-BS1) LCS								Prepared: 03/31/2022 Analyzed: 04/05/2022			
Perfluorobutanesulfonic acid (PFBS)	4.35	0.237	ug/kg wet	4.20		104	50-130				
Perfluorohexanoic acid (PFHxA)	4.10	0.237	"	4.74		86.5	50-130				
Perfluoroheptanoic acid (PFHpA)	5.04	0.237	"	4.74		106	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.27	0.237	"	4.31		99.0	50-130				
Perfluorooctanoic acid (PFOA)	4.43	0.237	"	4.74		93.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.01	0.237	"	4.39		114	50-130				
Perfluorononanoic acid (PFNA)	4.08	0.237	"	4.74		86.0	50-130				
Perfluorodecanoic acid (PFDA)	4.88	0.237	"	4.74		103	50-130				
Perfluoroundecanoic acid (PFUnA)	4.55	0.237	"	4.74		96.0	50-130				
Perfluorododecanoic acid (PFDoA)	4.56	0.237	"	4.74		96.2	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.46	0.237	"	4.74		94.0	50-130				
Perfluorotetradecanoic acid (PFTA)	4.91	0.237	"	4.74		104	50-130				
N-MeFOSAA	4.27	0.237	"	4.74		90.1	50-130				
N-EtFOSAA	5.92	0.237	"	4.74		125	50-130				
Perfluoropentanoic acid (PFPeA)	4.65	0.237	"	4.74		98.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.25	0.237	"	4.74		89.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.57	0.237	"	4.53		101	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.29	0.237	"	4.58		93.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.40	0.237	"	4.50		97.7	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.34	0.237	"	4.55		73.4	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.53	0.237	"	4.74		95.5	50-130				
Surrogate: M3PFBS	*3.65*		"	*4.40*		*83.0*	*25-150*				
Surrogate: M5PFHxA	*4.42*		"	*4.74*		*93.3*	*25-150*				
Surrogate: M4PFHpA	*3.79*		"	*4.74*		*79.9*	*25-150*				
Surrogate: M3PFHxS	*3.61*		"	*4.49*		*80.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.62*		"	*4.74*		*97.3*	*25-150*				
Surrogate: M6PFDA	*3.86*		"	*4.74*		*81.3*	*25-150*				
Surrogate: M7PFUdA	*3.89*		"	*4.74*		*82.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.73*		"	*4.74*		*78.6*	*25-150*				
Surrogate: M2PFTeDA	*3.12*		"	*4.74*		*65.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.32*		"	*4.74*		*91.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.68*		"	*4.54*		*81.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.11*		"	*4.74*		*86.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.99*		"	*4.74*		*84.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.86*		"	*4.74*		*81.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.05*		"	*4.74*		*64.3*	*25-150*				
Surrogate: M2-6:2 FTS	*3.47*		"	*4.50*		*77.1*	*25-200*				
Surrogate: M2-8:2 FTS	*4.61*		"	*4.54*		*102*	*25-200*				
Surrogate: M9PFNA	*4.37*		"	*4.74*		*92.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC23318 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC23318-MS1) Matrix Spike *Source sample: 22C1681-02 (EP14_-5.5) Prepared: 03/31/2022 Analyzed: 04/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.85	0.324	ug/kg dry	5.73	ND	102	25-150				
Perfluorohexanoic acid (PFHxA)	6.34	0.324	"	6.48	ND	97.8	25-150				
Perfluoroheptanoic acid (PFHpA)	7.21	0.324	"	6.48	ND	111	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.83	0.324	"	5.90	ND	82.0	25-150				
Perfluorooctanoic acid (PFOA)	6.81	0.324	"	6.48	ND	105	25-150				
Perfluorooctanesulfonic acid (PFOS)	8.06	0.324	"	5.99	ND	134	25-150				
Perfluorononanoic acid (PFNA)	6.02	0.324	"	6.48	ND	92.9	25-150				
Perfluorodecanoic acid (PFDA)	7.78	0.324	"	6.48	ND	120	25-150				
Perfluoroundecanoic acid (PFUnA)	6.07	0.324	"	6.48	ND	93.7	25-150				
Perfluorododecanoic acid (PFDoA)	6.63	0.324	"	6.48	ND	102	25-150				
Perfluorotridecanoic acid (PFTrDA)	6.28	0.324	"	6.48	ND	97.0	25-150				
Perfluorotetradecanoic acid (PFTA)	7.28	0.324	"	6.48	ND	112	25-150				
N-MeFOSAA	6.32	0.324	"	6.48	ND	97.6	25-150				
N-EtFOSAA	6.67	0.324	"	6.48	ND	103	25-150				
Perfluoropentanoic acid (PFPeA)	6.58	0.324	"	6.48	ND	102	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.71	0.324	"	6.48	ND	104	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.99	0.324	"	6.19	ND	129	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.87	0.324	"	6.25	ND	93.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.23	0.324	"	6.16	ND	101	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.49	0.324	"	6.22	ND	88.3	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.77	0.324	"	6.48	ND	105	25-150				
Surrogate: M3PFBS	*4.95*		*"*	*6.02*		*82.3*	*25-150*				
Surrogate: M5PFHxA	*5.57*		*"*	*6.48*		*85.9*	*25-150*				
Surrogate: M4PFHpA	*4.71*		*"*	*6.48*		*72.6*	*25-150*				
Surrogate: M3PFHxS	*6.15*		*"*	*6.13*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.92*		*"*	*6.48*		*91.3*	*25-150*				
Surrogate: M6PFDA	*4.38*		*"*	*6.48*		*67.7*	*25-150*				
Surrogate: M7PFUdA	*5.08*		*"*	*6.48*		*78.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.95*		*"*	*6.48*		*76.4*	*25-150*				
Surrogate: M2PFTeDA	*4.29*		*"*	*6.48*		*66.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.64*		*"*	*6.48*		*87.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.81*		*"*	*6.20*		*77.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.56*		*"*	*6.48*		*85.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.61*		*"*	*6.48*		*71.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.94*		*"*	*6.48*		*76.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.54*		*"*	*6.48*		*70.0*	*25-150*				
Surrogate: M2-6:2 FTS	*4.94*		*"*	*6.15*		*80.3*	*25-200*				
Surrogate: M2-8:2 FTS	*6.47*		*"*	*6.21*		*104*	*25-200*				
Surrogate: M9PFNA	*5.76*		*"*	*6.48*		*89.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC23318 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC23318-M Matrix Spike Dup *Source sample: 22C1681-02 (EP14_-5.5) Prepared: 03/31/2022 Analyzed: 04/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.35	0.320	ug/kg dry	5.66	ND	94.5	25-150		8.98	35	
Perfluorohexanoic acid (PFHxA)	5.54	0.320	"	6.40	ND	86.7	25-150		13.4	35	
Perfluoroheptanoic acid (PFHpA)	6.44	0.320	"	6.40	ND	101	25-150		11.3	35	
Perfluorohexanesulfonic acid (PFHxS)	6.03	0.320	"	5.82	ND	104	25-150		22.0	35	
Perfluorooctanoic acid (PFOA)	5.52	0.320	"	6.40	ND	86.3	25-150		20.9	35	
Perfluorooctanesulfonic acid (PFOS)	7.28	0.320	"	5.92	ND	123	25-150		10.2	35	
Perfluorononanoic acid (PFNA)	5.80	0.320	"	6.40	ND	90.7	25-150		3.72	35	
Perfluorodecanoic acid (PFDA)	7.13	0.320	"	6.40	ND	111	25-150		8.73	35	
Perfluoroundecanoic acid (PFUnA)	6.34	0.320	"	6.40	ND	99.2	25-150		4.35	35	
Perfluorododecanoic acid (PFDoA)	5.90	0.320	"	6.40	ND	92.2	25-150		11.7	35	
Perfluorotridecanoic acid (PFTrDA)	5.96	0.320	"	6.40	ND	93.1	25-150		5.37	35	
Perfluorotetradecanoic acid (PFTA)	6.41	0.320	"	6.40	ND	100	25-150		12.7	35	
N-MeFOSAA	5.60	0.320	"	6.40	ND	87.6	25-150		12.2	35	
N-EtFOSAA	6.31	0.320	"	6.40	ND	98.6	25-150		5.59	35	
Perfluoropentanoic acid (PFPeA)	6.45	0.320	"	6.40	ND	101	25-150		2.01	35	
Perfluoro-1-octanesulfonamide (FOSA)	6.34	0.320	"	6.40	ND	99.2	25-150		5.63	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.55	0.320	"	6.11	ND	124	25-150		5.63	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.99	0.320	"	6.17	ND	80.8	25-150		16.2	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.73	0.320	"	6.08	ND	77.9	25-200		27.4	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.50	0.320	"	6.14	ND	89.6	25-200		0.224	35	
Perfluoro-n-butanoic acid (PFBA)	6.42	0.320	"	6.40	ND	100	25-150		5.42	35	
Surrogate: M3PFBS	*5.17*		"	*5.94*		*87.0*	*25-150*				
Surrogate: M5PFHxA	*6.05*		"	*6.40*		*94.7*	*25-150*				
Surrogate: M4PFHpA	*5.07*		"	*6.40*		*79.2*	*25-150*				
Surrogate: M3PFHxS	*5.04*		"	*6.05*		*83.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*6.15*		"	*6.40*		*96.1*	*25-150*				
Surrogate: M6PFDA	*4.55*		"	*6.40*		*71.1*	*25-150*				
Surrogate: M7PFUdA	*4.91*		"	*6.40*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.15*		"	*6.40*		*80.5*	*25-150*				
Surrogate: M2PFTeDA	*4.71*		"	*6.40*		*73.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.76*		"	*6.40*		*90.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.40*		"	*6.12*		*88.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.54*		"	*6.40*		*86.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.80*		"	*6.40*		*75.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.06*		"	*6.40*		*94.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.11*		"	*6.40*		*79.9*	*25-150*				
Surrogate: M2-6:2 FTS	*6.88*		"	*6.07*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*8.54*		"	*6.13*		*139*	*25-200*				
Surrogate: M9PFNA	*6.12*		"	*6.40*		*95.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD20030-BLK1) Blank									Prepared: 04/01/2022 Analyzed: 04/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*96.9*		"	*74.3*		*130*	*25-150*				
Surrogate: M5PFHxA	*97.4*		"	*80.0*		*122*	*25-150*				
Surrogate: M4PFHpA	*96.0*		"	*80.0*		*120*	*25-150*				
Surrogate: M3PFHxS	*94.9*		"	*75.7*		*125*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*107*		"	*80.0*		*133*	*25-150*				
Surrogate: M6PFDA	*106*		"	*80.0*		*132*	*25-150*				
Surrogate: M7PFUdA	*111*		"	*80.0*		*138*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*108*		"	*80.0*		*136*	*25-150*				
Surrogate: M2PFTeDA	*65.4*		"	*80.0*		*81.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*107*		"	*80.0*		*133*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*118*		"	*76.6*		*154*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*108*		"	*80.0*		*135*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.6*		"	*80.0*		*52.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*104*		"	*80.0*		*130*	*25-150*				
Surrogate: d5-N-EtFOSAA	*104*		"	*80.0*		*130*	*25-150*				
Surrogate: M2-6:2 FTS	*78.9*		"	*75.9*		*104*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		"	*76.6*		*141*	*25-200*				
Surrogate: M9PFNA	*115*		"	*80.0*		*144*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD20030-BS1) LCS								Prepared: 04/01/2022 Analyzed: 04/04/2022			
Perfluorobutanesulfonic acid (PFBS)	70.7	2.00	ng/L	70.8		99.9	50-130				
Perfluorohexanoic acid (PFHxA)	78.3	2.00	"	80.0		97.9	50-130				
Perfluoroheptanoic acid (PFHpA)	81.2	2.00	"	80.0		101	50-130				
Perfluorohexanesulfonic acid (PFHxS)	71.1	2.00	"	72.8		97.7	50-130				
Perfluorooctanoic acid (PFOA)	77.3	2.00	"	80.0		96.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	88.7	2.00	"	74.0		120	50-130				
Perfluorononanoic acid (PFNA)	75.5	2.00	"	80.0		94.4	50-130				
Perfluorodecanoic acid (PFDA)	80.0	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	80.9	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	82.4	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	65.6	2.00	"	80.0		82.0	50-130				
Perfluorotetradecanoic acid (PFTA)	77.3	2.00	"	80.0		96.6	50-130				
N-MeFOSAA	77.6	2.00	"	80.0		97.0	50-130				
N-EtFOSAA	71.5	2.00	"	80.0		89.4	50-130				
Perfluoropentanoic acid (PFPeA)	75.1	2.00	"	80.0		93.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	66.8	2.00	"	80.0		83.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.6	2.00	"	76.4		97.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	72.8	2.00	"	77.2		94.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	70.9	5.00	"	76.0		93.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.2	2.00	"	76.8		94.0	50-175				
Perfluoro-n-butanoic acid (PFBA)	75.5	2.00	"	80.0		94.4	50-130				
Surrogate: M3PFBS	*76.1*		*"*	*74.3*		*102*	*25-150*				
Surrogate: M5PFHxA	*85.7*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M4PFHpA	*81.5*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*78.3*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.8*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M6PFDA	*87.3*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M7PFUdA	*85.4*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*99.0*		*"*	*80.0*		*124*	*25-150*				
Surrogate: M2PFTeDA	*73.2*		*"*	*80.0*		*91.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*90.6*		*"*	*80.0*		*113*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.1*		*"*	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.4*		*"*	*80.0*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.9*		*"*	*80.0*		*41.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*87.7*		*"*	*80.0*		*110*	*25-150*				
Surrogate: d5-N-EtFOSAA	*95.3*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M2-6:2 FTS	*74.4*		*"*	*75.9*		*98.0*	*25-200*				
Surrogate: M2-8:2 FTS	*90.2*		*"*	*76.6*		*118*	*25-200*				
Surrogate: M9PFNA	*90.7*		*"*	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BD20030-BSD1) LCS Dup								Prepared: 04/01/2022 Analyzed: 04/04/2022			
Perfluorobutanesulfonic acid (PFBS)	73.0	2.00	ng/L	70.8		103	50-130		3.22	30	
Perfluorohexanoic acid (PFHxA)	77.1	2.00	"	80.0		96.3	50-130		1.56	30	
Perfluoroheptanoic acid (PFHpA)	83.3	2.00	"	80.0		104	50-130		2.55	30	
Perfluorohexanesulfonic acid (PFHxS)	73.4	2.00	"	72.8		101	50-130		3.13	30	
Perfluorooctanoic acid (PFOA)	79.4	2.00	"	80.0		99.2	50-130		2.61	30	
Perfluorooctanesulfonic acid (PFOS)	91.2	2.00	"	74.0		123	50-130		2.79	30	
Perfluorononanoic acid (PFNA)	71.6	2.00	"	80.0		89.5	50-130		5.32	30	
Perfluorodecanoic acid (PFDA)	82.8	2.00	"	80.0		104	50-130		3.41	30	
Perfluoroundecanoic acid (PFUnA)	79.2	2.00	"	80.0		99.0	50-130		2.08	30	
Perfluorododecanoic acid (PFDoA)	77.7	2.00	"	80.0		97.1	50-130		5.85	30	
Perfluorotridecanoic acid (PFTrDA)	62.6	2.00	"	80.0		78.3	50-130		4.65	30	
Perfluorotetradecanoic acid (PFTA)	88.7	2.00	"	80.0		111	50-130		13.7	30	
N-MeFOSAA	76.4	2.00	"	80.0		95.5	50-130		1.52	30	
N-EtFOSAA	80.1	2.00	"	80.0		100	50-130		11.4	30	
Perfluoropentanoic acid (PFPeA)	81.5	2.00	"	80.0		102	50-130		8.18	30	
Perfluoro-1-octanesulfonamide (FOSA)	74.4	2.00	"	80.0		93.0	50-130		10.7	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.5	2.00	"	76.4		109	50-130		11.2	30	
Perfluoro-1-decanesulfonic acid (PFDS)	77.2	2.00	"	77.2		100	50-130		5.84	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.1	5.00	"	76.0		88.2	50-175		5.64	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	88.3	2.00	"	76.8		115	50-175		20.1	30	
Perfluoro-n-butanoic acid (PFBA)	78.1	2.00	"	80.0		97.6	50-130		3.33	30	
Surrogate: M3PFBS	*82.8*		*"*	*74.3*		*111*	*25-150*				
Surrogate: M5PFHxA	*91.7*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M4PFHpA	*83.2*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*78.0*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*96.6*		*"*	*80.0*		*121*	*25-150*				
Surrogate: M6PFDA	*91.8*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M7PFUdA	*94.3*		*"*	*80.0*		*118*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*107*		*"*	*80.0*		*133*	*25-150*				
Surrogate: M2PFTeDA	*67.7*		*"*	*80.0*		*84.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*92.0*		*"*	*80.0*		*115*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.2*		*"*	*76.6*		*122*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*87.2*		*"*	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.4*		*"*	*80.0*		*46.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*96.7*		*"*	*80.0*		*121*	*25-150*				
Surrogate: d5-N-EtFOSAA	*89.7*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2-6:2 FTS	*78.4*		*"*	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*88.6*		*"*	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*104*		*"*	*80.0*		*130*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23259 - EPA 3550C											
Blank (BC23259-BLK1) Blank									Prepared: 03/31/2022 Analyzed: 04/01/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0641*		*"*	*0.0664*		*96.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0561*		*"*	*0.0664*		*84.4*	*30-150*				
LCS (BC23259-BS1) LCS									Prepared: 03/31/2022 Analyzed: 04/01/2022		
4,4'-DDD	0.0395	0.00164	mg/kg wet	0.0332		119	40-140				
4,4'-DDE	0.0292	0.00164	"	0.0332		87.9	40-140				
4,4'-DDT	0.0134	0.00164	"	0.0332		40.4	40-140				
Aldrin	0.0395	0.00164	"	0.0332		119	40-140				
alpha-BHC	0.0429	0.00164	"	0.0332		129	40-140				
alpha-Chlordane	0.0378	0.00164	"	0.0332		114	40-140				
beta-BHC	0.0380	0.00164	"	0.0332		114	40-140				
delta-BHC	0.0363	0.00164	"	0.0332		109	40-140				
Dieldrin	0.0373	0.00164	"	0.0332		112	40-140				
Endosulfan I	0.0431	0.00164	"	0.0332		130	40-140				
Endosulfan II	0.0355	0.00164	"	0.0332		107	40-140				
Endosulfan sulfate	0.0294	0.00164	"	0.0332		88.5	40-140				
Endrin	0.0322	0.00164	"	0.0332		96.9	40-140				
Endrin aldehyde	0.0454	0.00164	"	0.0332		137	40-140				
Endrin ketone	0.0418	0.00164	"	0.0332		126	40-140				
gamma-BHC (Lindane)	0.0379	0.00164	"	0.0332		114	40-140				
gamma-Chlordane	0.0384	0.00164	"	0.0332		116	40-140				
Heptachlor	0.0270	0.00164	"	0.0332		81.3	40-140				
Heptachlor epoxide	0.0396	0.00164	"	0.0332		119	40-140				
Methoxychlor	0.0203	0.00164	"	0.0332		61.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0642*		*"*	*0.0664*		*96.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0545*		*"*	*0.0664*		*82.1*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23259 - EPA 3550C											
Matrix Spike (BC23259-MS1) Matrix Spike	*Source sample: 22C1611-01 (Matrix Spike)								Prepared: 03/31/2022 Analyzed: 04/01/2022		
4,4'-DDD	0.0471	0.00167	mg/kg dry	0.0336	ND	140	30-150				
4,4'-DDE	0.0351	0.00167	"	0.0336	ND	104	30-150				
4,4'-DDT	0.0169	0.00167	"	0.0336	ND	50.3	30-150				
Aldrin	0.0488	0.00167	"	0.0336	ND	145	30-150				
alpha-BHC	0.0550	0.00167	"	0.0336	ND	163	30-150	High Bias			
alpha-Chlordane	0.0467	0.00167	"	0.0336	ND	139	30-150				
beta-BHC	0.0462	0.00167	"	0.0336	ND	137	30-150				
delta-BHC	0.0453	0.00167	"	0.0336	ND	135	30-150				
Dieldrin	0.0456	0.00167	"	0.0336	ND	135	30-150				
Endosulfan I	0.0498	0.00167	"	0.0336	ND	148	30-150				
Endosulfan II	0.0417	0.00167	"	0.0336	ND	124	30-150				
Endosulfan sulfate	0.0350	0.00167	"	0.0336	ND	104	30-150				
Endrin	0.0373	0.00167	"	0.0336	ND	111	30-150				
Endrin aldehyde	0.0467	0.00167	"	0.0336	ND	139	30-150				
Endrin ketone	0.0500	0.00167	"	0.0336	ND	149	30-150				
gamma-BHC (Lindane)	0.0464	0.00167	"	0.0336	ND	138	30-150				
gamma-Chlordane	0.0461	0.00167	"	0.0336	ND	137	30-150				
Heptachlor	0.0333	0.00167	"	0.0336	ND	99.1	30-150				
Heptachlor epoxide	0.0482	0.00167	"	0.0336	ND	143	30-150				
Methoxychlor	0.0247	0.00167	"	0.0336	ND	73.3	30-150				
Surrogate: Decachlorobiphenyl	*0.0649*		*"*	*0.0673*		*96.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0605*		*"*	*0.0673*		*89.9*	*30-150*				
Matrix Spike Dup (BC23259-M Matrix Spike Dup	*Source sample: 22C1611-01 (Matrix Spike Dup)								Prepared: 03/31/2022 Analyzed: 04/01/2022		
4,4'-DDD	0.0466	0.00167	mg/kg dry	0.0336	ND	138	30-150		1.09	30	
4,4'-DDE	0.0341	0.00167	"	0.0336	ND	101	30-150		2.69	30	
4,4'-DDT	0.0172	0.00167	"	0.0336	ND	51.0	30-150		1.38	30	
Aldrin	0.0487	0.00167	"	0.0336	ND	145	30-150		0.242	30	
alpha-BHC	0.0540	0.00167	"	0.0336	ND	161	30-150	High Bias	1.76	30	
alpha-Chlordane	0.0455	0.00167	"	0.0336	ND	135	30-150		2.78	30	
beta-BHC	0.0468	0.00167	"	0.0336	ND	139	30-150		1.39	30	
delta-BHC	0.0449	0.00167	"	0.0336	ND	133	30-150		0.862	30	
Dieldrin	0.0448	0.00167	"	0.0336	ND	133	30-150		1.78	30	
Endosulfan I	0.0471	0.00167	"	0.0336	ND	140	30-150		5.54	30	
Endosulfan II	0.0414	0.00167	"	0.0336	ND	123	30-150		0.611	30	
Endosulfan sulfate	0.0344	0.00167	"	0.0336	ND	102	30-150		1.79	30	
Endrin	0.0367	0.00167	"	0.0336	ND	109	30-150		1.65	30	
Endrin aldehyde	0.0460	0.00167	"	0.0336	ND	137	30-150		1.39	30	
Endrin ketone	0.0464	0.00167	"	0.0336	ND	138	30-150		7.33	30	
gamma-BHC (Lindane)	0.0467	0.00167	"	0.0336	ND	139	30-150		0.723	30	
gamma-Chlordane	0.0466	0.00167	"	0.0336	ND	139	30-150		1.26	30	
Heptachlor	0.0338	0.00167	"	0.0336	ND	100	30-150		1.22	30	
Heptachlor epoxide	0.0481	0.00167	"	0.0336	ND	143	30-150		0.252	30	
Methoxychlor	0.0243	0.00167	"	0.0336	ND	72.2	30-150		1.41	30	
Surrogate: Decachlorobiphenyl	*0.0622*		*"*	*0.0673*		*92.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0599*		*"*	*0.0673*		*89.0*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix								Prepared & Analyzed: 02/07/2022			
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2D0425 - BC22914											
Performance Mix (Y2D0425-P Performance Mix								Prepared & Analyzed: 04/01/2022			
4,4'-DDD	14.9		ng/mL	0.00			0-200				
4,4'-DDE	1.77		"	0.00			0-200				
4,4'-DDT	421		"	200		210	0-200	High Bias			
Endrin	213		"	100		213	0-200	High Bias			
Endrin aldehyde	4.48		"	0.00			0-200				
Endrin ketone	9.20		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23259 - EPA 3550C											
Blank (BC23259-BLK2) Blank										Prepared: 03/31/2022 Analyzed: 04/01/2022	
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0482*		"	*0.0664*		*72.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0412*		"	*0.0664*		*62.0*	*30-150*				
LCS (BC23259-BS2) LCS										Prepared: 03/31/2022 Analyzed: 04/01/2022	
Aroclor 1016	0.251	0.0166	mg/kg wet	0.332		75.5	40-140			30	
Aroclor 1260	0.282	0.0166	"	0.332		84.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0538*		"	*0.0664*		*81.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0571*		"	*0.0664*		*86.0*	*30-150*				
Matrix Spike (BC23259-MS2) Matrix Spike *Source sample: 22C1611-01 (Matrix Spike)										Prepared: 03/31/2022 Analyzed: 04/02/2022	
Aroclor 1016	0.295	0.0168	mg/kg dry	0.336	ND	87.6	40-140			30	
Aroclor 1260	0.299	0.0168	"	0.336	ND	88.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0545*		"	*0.0673*		*81.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0535*		"	*0.0673*		*79.5*	*30-150*				
Matrix Spike Dup (BC23259-M Matrix Spike Dup *Source sample: 22C1611-01 (Matrix Spike Dup)										Prepared: 03/31/2022 Analyzed: 04/02/2022	
Aroclor 1016	0.282	0.0168	mg/kg dry	0.336	ND	83.9	40-140		4.34	30	
Aroclor 1260	0.300	0.0168	"	0.336	ND	89.2	40-140		0.449	30	
Surrogate: Tetrachloro-m-xylene	*0.0542*		"	*0.0673*		*80.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0532*		"	*0.0673*		*79.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2D0135 - BC23175											
Aroclor Reference (Y2D0135- Aroclor Reference									Prepared & Analyzed: 03/31/2022		
Surrogate: Tetrachloro-m-xylene	*0.209*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.193*		*"*	*0.200*		*96.5*					
Batch Y2D0301 - BC23175											
Aroclor Reference (Y2D0301- Aroclor Reference									Prepared & Analyzed: 04/01/2022		
Surrogate: Tetrachloro-m-xylene	*0.199*		*ug/mL*	*0.200*		*99.5*					
Surrogate: Decachlorobiphenyl	*0.198*		*"*	*0.200*		*99.0*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23255 - EPA 3550C/8151A											
Blank (BC23255-BLK1) Blank								Prepared & Analyzed: 03/31/2022			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.339*		*"*	*0.417*		*81.4*	*21-150*				
LCS (BC23255-BS1) LCS								Prepared & Analyzed: 03/31/2022			
2,4,5-T	0.0892	0.0200	mg/kg wet	0.133		66.9	10-120				
2,4,5-TP (Silvex)	0.0892	0.0200	"	0.133		66.9	10-120				
2,4-D	0.107	0.0200	"	0.133		80.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.330*		*"*	*0.417*		*79.2*	*21-150*				
Matrix Spike (BC23255-MS1) Matrix Spike *Source sample: 22C1681-01 (EP75_-5.5)								Prepared & Analyzed: 03/31/2022			
2,4,5-T	0.0737	0.0242	mg/kg dry	0.162	ND	45.6	10-120				
2,4,5-TP (Silvex)	0.0727	0.0242	"	0.162	ND	45.0	10-120				
2,4-D	0.0878	0.0242	"	0.162	ND	54.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.427*		*"*	*0.505*		*84.6*	*21-150*				
Matrix Spike Dup (BC23255-M Matrix Spike Dup *Source sample: 22C1681-01 (EP75_-5.5)								Prepared & Analyzed: 03/31/2022			
2,4,5-T	0.0868	0.0242	mg/kg dry	0.162	ND	53.7	10-120		16.4	35	
2,4,5-TP (Silvex)	0.0898	0.0242	"	0.162	ND	55.6	10-120		21.1	35	
2,4-D	0.105	0.0242	"	0.162	ND	65.0	10-118		17.8	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.419*		*"*	*0.505*		*83.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23330 - EPA 3050B											
Blank (BC23330-BLK1) Blank									Prepared: 03/31/2022 Analyzed: 04/01/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC23330-DUP1) Duplicate	*Source sample: 22C1681-03 (EP05_-5.5)								Prepared: 03/31/2022 Analyzed: 04/01/2022		
Aluminum	6410	6.60	mg/kg dry		8880				32.4	35	
Antimony	5.38	3.30	"		5.17				4.06	35	
Arsenic	6.19	1.98	"		2.87				73.2	35	Non-dir.
Barium	19.6	3.30	"		24.5				22.0	35	
Beryllium	ND	0.066	"		ND					35	
Cadmium	ND	0.396	"		ND					35	
Calcium	2060	6.60	"		2300				11.2	35	
Chromium	37.4	0.660	"		29.4				24.2	35	
Cobalt	10.9	0.528	"		11.9				8.74	35	
Copper	10.7	2.64	"		9.76				9.61	35	
Iron	18700	33.0	"		20000				6.80	35	
Lead	5.33	0.660	"		6.77				23.8	35	
Magnesium	9560	6.60	"		11600				19.2	35	
Manganese	183	0.660	"		259				34.8	35	
Nickel	136	1.32	"		140				2.78	35	
Nickel	136	1.32	"		140				2.78	35	
Potassium	1270	6.60	"		1900				40.1	35	Non-dir.
Selenium	ND	3.30	"		ND					35	
Silver	ND	0.660	"		ND					35	
Sodium	170	66.0	"		136				22.2	35	
Thallium	ND	3.30	"		ND					35	
Vanadium	23.2	1.32	"		24.4				5.02	35	
Zinc	27.0	3.30	"		37.4				32.3	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23330 - EPA 3050B											
Matrix Spike (BC23330-MS1) Matrix Spike	*Source sample: 22C1681-03 (EP05_-5.5)							Prepared: 03/31/2022 Analyzed: 04/01/2022			
Aluminum	7420	6.60	mg/kg dry	264	8880	NR	75-125	Low Bias			
Antimony	14.6	3.30	"	33.0	5.17	28.5	75-125	Low Bias			
Arsenic	263	1.98	"	264	2.87	98.5	75-125				
Barium	308	3.30	"	264	24.5	108	75-125				
Beryllium	6.53	0.066	"	6.60	ND	99.0	75-125				
Cadmium	6.09	0.396	"	6.60	ND	92.2	75-125				
Calcium	2000	6.60	"	132	2300	NR	75-125	Low Bias			
Chromium	55.2	0.660	"	26.4	29.4	97.8	75-125				
Cobalt	78.2	0.528	"	66.0	11.9	100	75-125				
Copper	45.3	2.64	"	33.0	9.76	108	75-125				
Iron	17800	33.0	"	132	20000	NR	75-125	Low Bias			
Lead	73.5	0.660	"	66.0	6.77	101	75-125				
Magnesium	10100	6.60	"	132	11600	NR	75-125	Low Bias			
Manganese	254	0.660	"	66.0	259	NR	75-125	Low Bias			
Nickel	195	1.32	"	66.0	140	83.7	75-125				
Nickel	195	1.32	"	66.0	140	83.7	75-125				
Potassium	1590	6.60	"	132	1900	NR	75-125	Low Bias			
Selenium	216	3.30	"	264	ND	81.9	75-125				
Silver	6.16	0.660	"	6.60	ND	93.3	75-125				
Sodium	287	66.0	"	132	136	114	75-125				
Thallium	252	3.30	"	264	ND	95.3	75-125				
Vanadium	90.1	1.32	"	66.0	24.4	99.6	75-125				
Zinc	95.9	3.30	"	66.0	37.4	88.6	75-125				
Post Spike (BC23330-PS1) Post Spike	*Source sample: 22C1681-03 (EP05_-5.5)							Prepared: 03/31/2022 Analyzed: 04/01/2022			
Aluminum	69.2		ug/mL	2.00	67.3	94.9	75-125				
Antimony	0.333		"	0.250	0.039	118	75-125				
Arsenic	2.19		"	2.00	0.022	108	75-125				
Barium	2.49		"	2.00	0.185	115	75-125				
Beryllium	0.053		"	0.0500	-0.001	106	75-125				
Cadmium	0.053		"	0.0500	-0.0007	107	75-125				
Calcium	18.4		"	1.00	17.5	94.2	75-125				
Chromium	0.438		"	0.200	0.222	108	75-125				
Cobalt	0.654		"	0.500	0.090	113	75-125				
Copper	0.361		"	0.250	0.074	115	75-125				
Iron	151		"	1.00	151	9.27	75-125	Low Bias			
Lead	0.621		"	0.500	0.051	114	75-125				
Magnesium	88.1		"	1.00	87.8	31.2	75-125	Low Bias			
Manganese	2.52		"	0.500	1.97	111	75-125				
Nickel	1.65		"	0.500	1.06	119	75-125				
Nickel	1.65		mg/L	0.500	1.06	119	75-125				
Potassium	15.7		ug/mL	1.00	14.4	125	75-125				
Selenium	1.80		"	2.00	-0.061	90.0	75-125				
Silver	0.019		"	0.0500	-0.004	37.5	75-125	Low Bias			
Sodium	2.14		"	1.00	1.03	111	75-125				
Thallium	2.08		"	2.00	-0.039	104	75-125				
Vanadium	0.736		"	0.500	0.185	110	75-125				
Zinc	0.831		"	0.500	0.284	110	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23330 - EPA 3050B											
Reference (BC23330-SRM1) Reference								Prepared: 03/31/2022 Analyzed: 04/01/2022			
Aluminum	9280	5.00	mg/kg wet	10100		91.9	39.5-118.8				
Antimony	75.8	2.50	"	244		31.1	10-123				
Arsenic	106	1.50	"	109		97.7	63.7-118.3				
Barium	384	2.50	"	364		106	70.3-117				
Beryllium	56.2	0.050	"	57.0		98.6	69.3-115.4				
Cadmium	47.4	0.300	"	48.7		97.3	67.8-112.9				
Calcium	5130	5.00	"	5190		98.8	66.3-116.6				
Chromium	171	0.500	"	173		99.0	65.3-120.8				
Cobalt	154	0.400	"	148		104	70.3-117.6				
Copper	193	2.00	"	179		108	70.9-117.9				
Iron	15200	25.0	"	15000		101	36.8-162.7				
Lead	105	0.500	"	101		104	69.1-126.7				
Magnesium	2550	5.00	"	2570		99.4	56.4-124.9				
Manganese	405	0.500	"	370		109	72.2-119.2				
Nickel	64.2	1.00	"	52.2		123	63.4-117.8	High Bias			
Nickel	64.2	1.00	"	52.2		123	63.4-117.8	High Bias			
Potassium	2230	5.00	"	2420		92.2	49.6-118.6				
Selenium	69.5	2.50	"	104		66.8	58.5-122.1				
Silver	29.0	0.500	"	29.9		97.1	63.5-123.7				
Sodium	148	50.0	"	161		91.8	30.1-139.1				
Thallium	91.0	2.50	"	101		90.1	59.8-120.8				
Vanadium	188	1.00	"	194		96.7	73.2-117				
Zinc	420	2.50	"	431		97.4	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20070 - EPA 7473 soil												
Blank (BD20070-BLK1)	Blank								Prepared & Analyzed: 04/01/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BD20070-DUP1)	Duplicate	*Source sample: 22C1541-01 (Duplicate)							Prepared & Analyzed: 04/01/2022			
Mercury		ND	0.0314	mg/kg dry		ND					35	
Matrix Spike (BD20070-MS1)	Matrix Spike	*Source sample: 22C1541-01 (Matrix Spike)							Prepared & Analyzed: 04/01/2022			
Mercury		0.487		mg/kg	0.500	0.00640	96.0	75-125				
Reference (BD20070-SRM1)	Reference								Prepared & Analyzed: 04/01/2022			
Mercury		29.062		mg/kg	27.2		107	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23321 - Analysis Preparation Soil												
Blank (BC23321-BLK1)	Blank								Prepared & Analyzed: 03/31/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BC23321-DUP1)	Duplicate	*Source sample: 22C1681-02 (EP14_-5.5)							Prepared & Analyzed: 03/31/2022			
Cyanide, total		ND	0.651	mg/kg dry		ND					15	
Matrix Spike (BC23321-MS1)	Matrix Spike	*Source sample: 22C1681-02 (EP14_-5.5)							Prepared & Analyzed: 03/31/2022			
Cyanide, total		ND	0.651	mg/kg dry	13.0	ND		79.6-107	Low Bias			
Reference (BC23321-SRM1)	Reference								Prepared & Analyzed: 03/31/2022			
Cyanide, total		74.9		ug/mL	86.8		86.3	41.82-157.83				
Batch BC23336 - EPA SW846-3060												
Blank (BC23336-BLK1)	Blank								Prepared & Analyzed: 03/31/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BC23336-DUP1)	Duplicate	*Source sample: 22C1681-02 (EP14_-5.5)							Prepared & Analyzed: 03/31/2022			
Chromium, Hexavalent		ND	0.651	mg/kg dry		ND					35	
Matrix Spike (BC23336-MS1)	Matrix Spike	*Source sample: 22C1681-02 (EP14_-5.5)							Prepared & Analyzed: 03/31/2022			
Chromium, Hexavalent		ND	0.651	mg/kg dry	26.1	ND		75-125	Low Bias			
Reference (BC23336-SRM1)	Reference								Prepared & Analyzed: 03/31/2022			
Chromium, Hexavalent		130		mg/L	109		119	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20047 - % Solids Prep											
Duplicate (BD20047-DUP1) Duplicate	*Source sample: 22C1681-03 (EP05_-5.5)							Prepared & Analyzed: 04/01/2022			
% Solids	75.5	0.100	%		75.8				0.363	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1681-01	EP75_-5.5	40mL Vial with Stir Bar-Cool 4° C
22C1681-02	EP14_-5.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C1681

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 West 31st St. New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kimberly Senon	Contact:	Contact:		RUSH - Four Day
E-mail: Ksenon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP15_-5.5	S	3/30/22 11:30	TCL/Part 375 VOCs, SVOCs, PCBs, pesticides	
EP14_-5.5	↓	↓ 12:35	herbicides, metals, including cyanide, hexavalent chromium, PFAS, 1-4, dioxane	
EP05_-5.5	S	3/30/22 11:49	Nickel	
FB_PFAS_03/30/2022 FB01-PFAS-033022	Other 99	↓ 12:49	PFAS	

Comments: please include lesmail@langan.com and maronica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Langan	3/30/22 1431	Met/M York Fedex	3/30/22 1438	Met/M York Fedex	3/30/22 1537
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Ivan B	3/30/22 1537	Ivan B	3/30/22 1913		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				Ygdr	3/30/22 1913 2.5 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 04/07/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1758

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/07/2022
Client Project ID: 170610601
York Project (SDG) No.: 22C1758

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 31, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C1758-01	EP57_0.5	Soil	03/31/2022	03/31/2022
22C1758-02	EP58_0.5	Soil	03/31/2022	03/31/2022
22C1758-03	FB01_PFAS_03312022	Water	03/31/2022	03/31/2022

General Notes for York Project (SDG) No.: 22C1758

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 04/07/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.083	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0082**		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.032**		mg/kg dry	0.0041	0.0083	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	04/01/2022 06:33	04/01/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.6 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.210	0.420	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*45.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*44.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*37.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*57.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*49.2 %*	*24-116*

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/01/2022 12:52	04/04/2022 14:52	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.297	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 13:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*102 %*	*25-150*
Surrogate: M5PFHxA	*95.7 %*	*25-150*
Surrogate: M4PFHpA	*91.4 %*	*25-150*
Surrogate: M3PFHxS	*92.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.2 %*	*25-150*
Surrogate: M6PFDA	*92.9 %*	*25-150*
Surrogate: M7PFUdA	*96.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*96.1 %*	*25-150*
Surrogate: M2PFTeDA	*80.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*104 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*100 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*88.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*97.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*101 %*	*25-150*
Surrogate: M2-6:2 FTS	*77.7 %*	*25-200*
Surrogate: M2-8:2 FTS	*116 %*	*25-200*
Surrogate: M9PFNA	*106 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:27	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:27	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:27	CM

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.205	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0410	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:27	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*94.8 %*	*30-150*

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0207	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:36	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0247	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0247	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0247	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:21	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8690**		mg/kg dry	6.31	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**6.08**		mg/kg dry	3.16	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.89	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**47.3**		mg/kg dry	3.16	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.379	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**967**		mg/kg dry	6.31	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**53.8**		mg/kg dry	0.631	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**30.0**		mg/kg dry	0.505	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**21.8**		mg/kg dry	2.53	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17900**		mg/kg dry	31.6	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**36.0**		mg/kg dry	0.631	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3310**		mg/kg dry	6.31	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**204**		mg/kg dry	0.631	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**212**		mg/kg dry	1.26	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**682**	B	mg/kg dry	6.31	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.16	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.631	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**205**		mg/kg dry	63.1	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.16	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.2**		mg/kg dry	1.26	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**28.0**		mg/kg dry	3.16	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP57_0.5 **York Sample ID:** 22C1758-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:15 am	03/31/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0379	1	EPA 7473	04/04/2022 10:23	04/04/2022 11:32	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.631	1	EPA 7196A	04/04/2022 09:08	04/04/2022 15:36	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**53.8**		mg/kg	0.500	1	Calculation	04/04/2022 15:05	04/04/2022 17:38	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.631	1	EPA 9014/9010C	04/01/2022 09:28	04/01/2022 15:37	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.2**		%	0.100	1	SM 2540G	04/04/2022 12:09	04/04/2022 14:34	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.081	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0066**	J	mg/kg dry	0.0040	0.0081	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0071**	J	mg/kg dry	0.0040	0.0081	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C	04/01/2022 06:33	04/01/2022 14:25	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.3 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D	04/01/2022 07:39	04/02/2022 01:41	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*44.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*39.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*50.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*60.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.2 %*	*24-116*

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/01/2022 12:52	04/04/2022 15:09	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/01/2022 13:43	04/06/2022 14:23	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.9 %*	*25-150*
Surrogate: M5PFHxA	*110 %*	*25-150*
Surrogate: M4PFHpA	*93.7 %*	*25-150*
Surrogate: M3PFHxS	*89.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*101 %*	*25-150*
Surrogate: M7PFUdA	*108 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*89.9 %*	*25-150*
Surrogate: M2PFTeDA	*73.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*106 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*98.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*110 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*101 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*95.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*64.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*92.7 %*	*25-200*
Surrogate: M9PFNA	*108 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:43	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:43	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/01/2022 07:32	04/03/2022 10:43	CM

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B	04/01/2022 07:32	04/03/2022 10:43	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*92.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.6 %*	*30-150*

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	04/01/2022 07:32	04/02/2022 06:49	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A	04/01/2022 07:34	04/01/2022 19:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*64.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3830**		mg/kg dry	5.70	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.48**		mg/kg dry	2.85	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**27.2**		mg/kg dry	2.85	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.342	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**961**		mg/kg dry	5.70	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.0**		mg/kg dry	0.570	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.71**		mg/kg dry	0.456	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**16.2**		mg/kg dry	2.28	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**10400**		mg/kg dry	28.5	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**3.46**		mg/kg dry	0.570	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1940**		mg/kg dry	5.70	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**171**		mg/kg dry	0.570	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**62.6**		mg/kg dry	1.14	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**657**	B	mg/kg dry	5.70	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**74.6**		mg/kg dry	57.0	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**15.5**		mg/kg dry	1.14	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**15.1**		mg/kg dry	2.85	1	EPA 6010D	04/01/2022 17:17	04/04/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP58_0.5 **York Sample ID:** 22C1758-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Soil	March 31, 2022 8:00 am	03/31/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0342	1	EPA 7473	04/04/2022 10:23	04/04/2022 12:06	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.570	1	EPA 7196A	04/04/2022 09:08	04/04/2022 15:36	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.0**		mg/kg	0.500	1	Calculation	04/04/2022 15:05	04/04/2022 17:38	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.570	1	EPA 9014/9010C	04/01/2022 09:28	04/01/2022 15:37	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.6**		%	0.100	1	SM 2540G	04/04/2022 12:09	04/04/2022 14:34	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_03312022** **York Sample ID:** **22C1758-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Water	March 31, 2022 8:25 am	03/31/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/01/2022 11:15	04/05/2022 00:12	WL

Sample Information

Client Sample ID: FB01_PFAS_03312022 **York Sample ID:** 22C1758-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C1758	170610601	Water	March 31, 2022 8:25 am	03/31/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m	04/01/2022 11:15	04/05/2022 00:12	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.8 %*	*25-150*
Surrogate: M5PFHxA	*91.7 %*	*25-150*
Surrogate: M4PFHpA	*87.6 %*	*25-150*
Surrogate: M3PFHxS	*96.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.0 %*	*25-150*
Surrogate: M6PFDA	*100 %*	*25-150*
Surrogate: M7PFUdA	*101 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*96.6 %*	*25-150*
Surrogate: M2PFTeDA	*57.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*99.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*93.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*90.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*88.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*66.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*87.8 %*	*25-200*
Surrogate: M9PFNA	*93.3 %*	*25-150*

Analytical Batch Summary

Batch ID: BD20005 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20005-BLK1	Blank	04/01/22
BD20005-BLK2	Blank	04/01/22
BD20005-BS1	LCS	04/01/22
BD20005-BS2	LCS	04/01/22
BD20005-MS1	Matrix Spike	04/01/22
BD20005-MS2	Matrix Spike	04/01/22
BD20005-MSD1	Matrix Spike Dup	04/01/22
BD20005-MSD2	Matrix Spike Dup	04/01/22

Batch ID: BD20006 **Preparation Method:** EPA 3550C/8151A **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20006-BLK1	Blank	04/01/22
BD20006-BS1	LCS	04/01/22
BD20006-MS1	Matrix Spike	04/01/22
BD20006-MSD1	Matrix Spike Dup	04/01/22

Batch ID: BD20008 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20008-BLK1	Blank	04/01/22
BD20008-BS1	LCS	04/01/22
BD20008-MS1	Matrix Spike	04/01/22
BD20008-MSD1	Matrix Spike Dup	04/01/22

Batch ID: BD20013 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20013-BLK1	Blank	04/01/22
BD20013-BLK2	Blank	04/01/22
BD20013-BLK3	Blank	04/01/22
BD20013-BS1	LCS	04/01/22
BD20013-BSD1	LCS Dup	04/01/22

Batch ID: BD20021 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20021-BLK1	Blank	04/01/22
BD20021-DUP1	Duplicate	04/01/22
BD20021-MS1	Matrix Spike	04/01/22
BD20021-SRM1	Reference	04/01/22

Batch ID: BD20030 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-03	FB01_PFAS_03312022	04/01/22
BD20030-BLK1	Blank	04/01/22
BD20030-BS1	LCS	04/01/22
BD20030-BSD1	LCS Dup	04/01/22

Batch ID: BD20036 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20036-BLK1	Blank	04/01/22
BD20036-BS1	LCS	04/01/22
BD20036-MS1	Matrix Spike	04/01/22
BD20036-MSD1	Matrix Spike Dup	04/01/22

Batch ID: BD20045 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20045-BLK1	Blank	04/01/22
BD20045-BS1	LCS	04/01/22
BD20045-MS1	Matrix Spike	04/01/22
BD20045-MSD1	Matrix Spike Dup	04/01/22

Batch ID: BD20071 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/01/22
22C1758-02	EP58_0.5	04/01/22
BD20071-BLK1	Blank	04/01/22
BD20071-DUP1	Duplicate	04/01/22
BD20071-MS1	Matrix Spike	04/01/22
BD20071-PS1	Post Spike	04/01/22

BD20071-SRM1	Reference	04/01/22

Batch ID: BD20110 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/04/22
22C1758-02	EP58_0.5	04/04/22
BD20110-BLK1	Blank	04/04/22
BD20110-DUP1	Duplicate	04/04/22
BD20110-MS1	Matrix Spike	04/04/22
BD20110-SRM1	Reference	04/04/22

Batch ID: BD20124 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/04/22
22C1758-02	EP58_0.5	04/04/22
BD20124-BLK1	Blank	04/04/22
BD20124-DUP1	Duplicate	04/04/22
BD20124-MS1	Matrix Spike	04/04/22
BD20124-SRM1	Reference	04/04/22

Batch ID: BD20134 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/04/22
22C1758-02	EP58_0.5	04/04/22
BD20134-DUP1	Duplicate	04/04/22

Batch ID: BD20173 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22C1758-01	EP57_0.5	04/04/22
22C1758-02	EP58_0.5	04/04/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK1) Blank									Prepared & Analyzed: 04/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK1) Blank									Prepared & Analyzed: 04/01/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				
Blank (BD20013-BLK2) Blank									Prepared & Analyzed: 04/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK2) Blank									Prepared & Analyzed: 04/01/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK3) Blank									Prepared & Analyzed: 04/01/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
Blank (BD20013-BLK3) Blank								Prepared & Analyzed: 04/01/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.1*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				
LCS (BD20013-BS1) LCS								Prepared & Analyzed: 04/01/2022			
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	44.4		"	50.0		88.8	71-137				
1,1,2,2-Tetrachloroethane	46.1		"	50.0		92.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.7		"	50.0		107	58-146				
1,1,2-Trichloroethane	47.1		"	50.0		94.2	83-123				
1,1-Dichloroethane	43.2		"	50.0		86.4	75-130				
1,1-Dichloroethylene	51.9		"	50.0		104	64-137				
1,2,3-Trichlorobenzene	45.6		"	50.0		91.2	81-140				
1,2,3-Trichloropropane	45.3		"	50.0		90.6	81-126				
1,2,4-Trichlorobenzene	46.0		"	50.0		92.0	80-141				
1,2,4-Trimethylbenzene	43.2		"	50.0		86.3	84-125				
1,2-Dibromo-3-chloropropane	44.8		"	50.0		89.6	74-142				
1,2-Dibromoethane	49.5		"	50.0		99.0	86-123				
1,2-Dichlorobenzene	45.6		"	50.0		91.2	85-122				
1,2-Dichloroethane	48.1		"	50.0		96.1	71-133				
1,2-Dichloropropane	45.8		"	50.0		91.5	81-122				
1,3,5-Trimethylbenzene	42.8		"	50.0		85.5	82-126				
1,3-Dichlorobenzene	44.1		"	50.0		88.1	84-124				
1,4-Dichlorobenzene	44.9		"	50.0		89.8	84-124				
1,4-Dioxane	870		"	1050		82.8	10-228				
2-Butanone	42.1		"	50.0		84.1	58-147				
2-Hexanone	42.6		"	50.0		85.1	70-139				
4-Methyl-2-pentanone	42.8		"	50.0		85.5	72-132				
Acetone	34.7		"	50.0		69.4	36-155				
Acrolein	44.4		"	50.0		88.7	10-238				
Acrylonitrile	43.9		"	50.0		87.9	66-141				
Benzene	44.9		"	50.0		89.8	77-127				
Bromochloromethane	47.1		"	50.0		94.2	74-129				
Bromodichloromethane	48.1		"	50.0		96.2	81-124				
Bromoform	51.7		"	50.0		103	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS (BD20013-BS1) LCS							Prepared & Analyzed: 04/01/2022				
Bromomethane	37.6		ug/L	50.0		75.2	32-177				
Carbon disulfide	38.1		"	50.0		76.2	10-136				
Carbon tetrachloride	45.3		"	50.0		90.7	66-143				
Chlorobenzene	47.3		"	50.0		94.6	86-120				
Chloroethane	40.9		"	50.0		81.9	51-142				
Chloroform	46.0		"	50.0		92.1	76-131				
Chloromethane	28.9		"	50.0		57.8	49-132				
cis-1,2-Dichloroethylene	44.2		"	50.0		88.5	74-132				
cis-1,3-Dichloropropylene	48.9		"	50.0		97.9	81-129				
Cyclohexane	37.4		"	50.0		74.7	70-130				
Dibromochloromethane	50.2		"	50.0		100	10-200				
Dibromomethane	46.6		"	50.0		93.1	83-124				
Dichlorodifluoromethane	19.7		"	50.0		39.3	28-158				
Ethyl Benzene	44.9		"	50.0		89.8	84-125				
Hexachlorobutadiene	43.3		"	50.0		86.7	83-133				
Isopropylbenzene	43.7		"	50.0		87.4	81-127				
Methyl acetate	36.5		"	50.0		73.0	41-143				
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.2	74-131				
Methylcyclohexane	38.5		"	50.0		77.1	70-130				
Methylene chloride	43.0		"	50.0		86.0	57-141				
n-Butylbenzene	41.2		"	50.0		82.4	80-130				
n-Propylbenzene	42.3		"	50.0		84.6	74-136				
o-Xylene	46.7		"	50.0		93.4	83-123				
p- & m- Xylenes	90.6		"	100		90.6	82-128				
p-Isopropyltoluene	43.5		"	50.0		87.0	85-125				
sec-Butylbenzene	42.3		"	50.0		84.7	83-125				
Styrene	45.3		"	50.0		90.5	86-126				
tert-Butyl alcohol (TBA)	193		"	250		77.3	70-130				
tert-Butylbenzene	43.0		"	50.0		86.0	80-127				
Tetrachloroethylene	39.6		"	50.0		79.1	80-129	Low Bias			
Toluene	43.7		"	50.0		87.4	85-121				
trans-1,2-Dichloroethylene	41.8		"	50.0		83.7	72-132				
trans-1,3-Dichloropropylene	51.6		"	50.0		103	78-132				
Trichloroethylene	43.4		"	50.0		86.7	84-123				
Trichlorofluoromethane	39.3		"	50.0		78.6	62-140				
Vinyl Chloride	34.8		"	50.0		69.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.2*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.5*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS Dup (BD20013-BSD1) LCS Dup							Prepared & Analyzed: 04/01/2022				
1,1,1,2-Tetrachloroethane	52.0		ug/L	50.0		104	75-129		7.21	30	
1,1,1-Trichloroethane	47.8		"	50.0		95.6	71-137		7.33	30	
1,1,2,2-Tetrachloroethane	49.6		"	50.0		99.3	79-129		7.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.6		"	50.0		113	58-146		5.10	30	
1,1,2-Trichloroethane	50.9		"	50.0		102	83-123		7.78	30	
1,1-Dichloroethane	45.4		"	50.0		90.9	75-130		5.10	30	
1,1-Dichloroethylene	54.9		"	50.0		110	64-137		5.77	30	
1,2,3-Trichlorobenzene	49.4		"	50.0		98.7	81-140		7.96	30	
1,2,3-Trichloropropane	49.0		"	50.0		98.1	81-126		7.88	30	
1,2,4-Trichlorobenzene	48.7		"	50.0		97.4	80-141		5.77	30	
1,2,4-Trimethylbenzene	46.7		"	50.0		93.4	84-125		7.88	30	
1,2-Dibromo-3-chloropropane	48.7		"	50.0		97.5	74-142		8.45	30	
1,2-Dibromoethane	52.6		"	50.0		105	86-123		6.15	30	
1,2-Dichlorobenzene	48.6		"	50.0		97.3	85-122		6.45	30	
1,2-Dichloroethane	49.2		"	50.0		98.5	71-133		2.42	30	
1,2-Dichloropropane	49.2		"	50.0		98.3	81-122		7.18	30	
1,3,5-Trimethylbenzene	46.0		"	50.0		92.0	82-126		7.30	30	
1,3-Dichlorobenzene	47.6		"	50.0		95.2	84-124		7.66	30	
1,4-Dichlorobenzene	48.6		"	50.0		97.1	84-124		7.77	30	
1,4-Dioxane	946		"	1050		90.1	10-228		8.43	30	
2-Butanone	44.2		"	50.0		88.4	58-147		4.98	30	
2-Hexanone	46.5		"	50.0		93.0	70-139		8.87	30	
4-Methyl-2-pentanone	46.7		"	50.0		93.4	72-132		8.87	30	
Acetone	35.2		"	50.0		70.5	36-155		1.49	30	
Acrolein	48.1		"	50.0		96.1	10-238		8.01	30	
Acrylonitrile	44.3		"	50.0		88.6	66-141		0.839	30	
Benzene	47.2		"	50.0		94.5	77-127		5.08	30	
Bromochloromethane	49.6		"	50.0		99.2	74-129		5.19	30	
Bromodichloromethane	51.7		"	50.0		103	81-124		7.12	30	
Bromoform	57.3		"	50.0		115	80-136		10.3	30	
Bromomethane	36.2		"	50.0		72.4	32-177		3.77	30	
Carbon disulfide	40.8		"	50.0		81.6	10-136		6.85	30	
Carbon tetrachloride	48.6		"	50.0		97.3	66-143		7.04	30	
Chlorobenzene	51.2		"	50.0		102	86-120		7.86	30	
Chloroethane	42.1		"	50.0		84.1	51-142		2.75	30	
Chloroform	48.4		"	50.0		96.7	76-131		4.94	30	
Chloromethane	29.9		"	50.0		59.9	49-132		3.60	30	
cis-1,2-Dichloroethylene	46.7		"	50.0		93.4	74-132		5.43	30	
cis-1,3-Dichloropropylene	52.9		"	50.0		106	81-129		7.81	30	
Cyclohexane	38.6		"	50.0		77.2	70-130		3.32	30	
Dibromochloromethane	54.9		"	50.0		110	10-200		8.98	30	
Dibromomethane	49.8		"	50.0		99.6	83-124		6.68	30	
Dichlorodifluoromethane	20.6		"	50.0		41.1	28-158		4.48	30	
Ethyl Benzene	47.8		"	50.0		95.6	84-125		6.30	30	
Hexachlorobutadiene	45.4		"	50.0		90.8	83-133		4.66	30	
Isopropylbenzene	46.6		"	50.0		93.3	81-127		6.51	30	
Methyl acetate	39.3		"	50.0		78.5	41-143		7.31	30	
Methyl tert-butyl ether (MTBE)	48.5		"	50.0		97.0	74-131		6.12	30	
Methylcyclohexane	41.0		"	50.0		82.0	70-130		6.21	30	
Methylene chloride	45.5		"	50.0		90.9	57-141		5.52	30	
n-Butylbenzene	45.5		"	50.0		90.9	80-130		9.90	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20013 - EPA 5035A											
LCS Dup (BD20013-BSD1) LCS Dup								Prepared & Analyzed: 04/01/2022			
n-Propylbenzene	45.6		ug/L	50.0		91.2	74-136		7.49	30	
o-Xylene	49.9		"	50.0		99.9	83-123		6.64	30	
p- & m- Xylenes	97.8		"	100		97.8	82-128		7.71	30	
p-Isopropyltoluene	46.8		"	50.0		93.5	85-125		7.29	30	
sec-Butylbenzene	45.5		"	50.0		91.1	83-125		7.26	30	
Styrene	49.1		"	50.0		98.3	86-126		8.18	30	
tert-Butyl alcohol (TBA)	213		"	250		85.2	70-130		9.78	30	
tert-Butylbenzene	46.3		"	50.0		92.6	80-127		7.37	30	
Tetrachloroethylene	42.9		"	50.0		85.8	80-129		8.15	30	
Toluene	47.0		"	50.0		94.0	85-121		7.28	30	
trans-1,2-Dichloroethylene	44.4		"	50.0		88.9	72-132		6.07	30	
trans-1,3-Dichloropropylene	55.2		"	50.0		110	78-132		6.69	30	
Trichloroethylene	46.4		"	50.0		92.8	84-123		6.80	30	
Trichlorofluoromethane	41.2		"	50.0		82.3	62-140		4.62	30	
Vinyl Chloride	36.1		"	50.0		72.2	52-130		3.84	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD20008 - EPA 3546 SVOA

Blank (BD20008-BLK1) Blank — Prepared & Analyzed: 04/01/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
Blank (BD20008-BLK1) Blank									Prepared & Analyzed: 04/01/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.07*		"	*1.66*		*64.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.12*		"	*1.66*		*67.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.556*		"	*0.831*		*67.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.572*		"	*0.831*		*68.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.46*		"	*1.66*		*88.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.723*		"	*0.831*		*87.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
LCS (BD20008-BS1) LCS							Prepared & Analyzed: 04/01/2022				
1,1-Biphenyl	0.480	0.0416	mg/kg wet	0.831		57.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.500	0.0830	"	0.831		60.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.418	0.0416	"	0.831		50.3	17-137				
2,3,4,6-Tetrachlorophenol	0.490	0.0830	"	0.831		59.0	30-130				
2,4,5-Trichlorophenol	0.435	0.0416	"	0.831		52.4	27-118				
2,4,6-Trichlorophenol	0.466	0.0416	"	0.831		56.2	31-120				
2,4-Dichlorophenol	0.497	0.0416	"	0.831		59.8	20-127				
2,4-Dimethylphenol	0.487	0.0416	"	0.831		58.6	14-132				
2,4-Dinitrophenol	0.634	0.0830	"	0.831		76.3	10-171				
2,4-Dinitrotoluene	0.555	0.0416	"	0.831		66.8	34-131				
2,6-Dinitrotoluene	0.570	0.0416	"	0.831		68.7	31-128				
2-Chloronaphthalene	0.469	0.0416	"	0.831		56.5	31-117				
2-Chlorophenol	0.469	0.0416	"	0.831		56.5	33-113				
2-Methylnaphthalene	0.507	0.0416	"	0.831		61.0	12-138				
2-Methylphenol	0.513	0.0416	"	0.831		61.8	10-136				
2-Nitroaniline	0.522	0.0830	"	0.831		62.8	27-132				
2-Nitrophenol	0.545	0.0416	"	0.831		65.6	17-129				
3- & 4-Methylphenols	0.427	0.0416	"	0.831		51.4	29-103				
3,3-Dichlorobenzidine	0.462	0.0416	"	0.831		55.7	22-149				
3-Nitroaniline	0.484	0.0830	"	0.831		58.2	20-133				
4,6-Dinitro-2-methylphenol	0.669	0.0830	"	0.831		80.5	10-143				
4-Bromophenyl phenyl ether	0.509	0.0416	"	0.831		61.3	29-120				
4-Chloro-3-methylphenol	0.487	0.0416	"	0.831		58.6	24-129				
4-Chloroaniline	0.355	0.0416	"	0.831		42.8	10-132				
4-Chlorophenyl phenyl ether	0.467	0.0416	"	0.831		56.3	27-124				
4-Nitroaniline	0.471	0.0830	"	0.831		56.7	16-128				
4-Nitrophenol	0.477	0.0830	"	0.831		57.4	10-141				
Acenaphthene	0.478	0.0416	"	0.831		57.6	30-121				
Acenaphthylene	0.467	0.0416	"	0.831		56.2	30-115				
Acetophenone	0.467	0.0416	"	0.831		56.2	20-112				
Aniline	0.475	0.166	"	0.831		57.2	10-119				
Anthracene	0.507	0.0416	"	0.831		61.1	34-118				
Atrazine	0.541	0.0416	"	0.831		65.1	26-112				
Benzaldehyde	0.452	0.0416	"	0.831		54.4	21-100				
Benzo(a)anthracene	0.528	0.0416	"	0.831		63.5	32-122				
Benzo(a)pyrene	0.513	0.0416	"	0.831		61.7	29-133				
Benzo(b)fluoranthene	0.618	0.0416	"	0.831		74.4	25-133				
Benzo(g,h,i)perylene	0.443	0.0416	"	0.831		53.3	10-143				
Benzo(k)fluoranthene	0.546	0.0416	"	0.831		65.7	25-128				
Benzoic acid	0.240	0.0416	"	0.831		28.9	10-140				
Benzyl alcohol	0.439	0.0416	"	0.831		52.8	30-115				
Benzyl butyl phthalate	0.535	0.0416	"	0.831		64.4	26-126				
Bis(2-chloroethoxy)methane	0.461	0.0416	"	0.831		55.5	19-132				
Bis(2-chloroethyl)ether	0.427	0.0416	"	0.831		51.4	19-125				
Bis(2-chloroisopropyl)ether	0.454	0.0416	"	0.831		54.7	20-135				
Bis(2-ethylhexyl)phthalate	0.550	0.0416	"	0.831		66.3	10-155				
Caprolactam	0.492	0.0830	"	0.831		59.2	10-127				
Carbazole	0.489	0.0416	"	0.831		58.9	35-123				
Chrysene	0.496	0.0416	"	0.831		59.8	32-123				
Dibenzo(a,h)anthracene	0.529	0.0416	"	0.831		63.7	10-136				
Dibenzofuran	0.496	0.0416	"	0.831		59.8	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
LCS (BD20008-BS1) LCS							Prepared & Analyzed: 04/01/2022				
Diethyl phthalate	0.482	0.0416	mg/kg wet	0.831		58.1	34-116				
Dimethyl phthalate	0.476	0.0416	"	0.831		57.4	35-124				
Di-n-butyl phthalate	0.481	0.0416	"	0.831		57.9	31-116				
Di-n-octyl phthalate	0.704	0.0416	"	0.831		84.8	26-136				
Diphenylamine	0.560	0.0830	"	0.831		67.5	40-140				
Fluoranthene	0.470	0.0416	"	0.831		56.6	33-122				
Fluorene	0.501	0.0416	"	0.831		60.4	29-123				
Hexachlorobenzene	0.438	0.0416	"	0.831		52.8	21-124				
Hexachlorobutadiene	0.545	0.0416	"	0.831		65.6	10-149				
Hexachlorocyclopentadiene	0.484	0.0416	"	0.831		58.2	10-129				
Hexachloroethane	0.454	0.0416	"	0.831		54.7	28-108				
Indeno(1,2,3-cd)pyrene	0.517	0.0416	"	0.831		62.2	10-135				
Isophorone	0.479	0.0416	"	0.831		57.6	20-132				
Naphthalene	0.478	0.0416	"	0.831		57.6	23-124				
Nitrobenzene	0.475	0.0416	"	0.831		57.2	13-132				
N-Nitrosodimethylamine	1.19	0.0416	"	0.831		143	11-129	High Bias			
N-nitroso-di-n-propylamine	0.453	0.0416	"	0.831		54.6	24-119				
N-Nitrosodiphenylamine	0.552	0.0416	"	0.831		66.5	22-152				
Pentachlorophenol	0.458	0.0416	"	0.831		55.2	10-139				
Phenanthrene	0.484	0.0416	"	0.831		58.3	33-123				
Phenol	0.471	0.0416	"	0.831		56.8	23-115				
Pyrene	0.509	0.0416	"	0.831		61.3	24-130				
Pyridine	0.994	0.166	"	0.831		120	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*0.948*		*"*	*1.66*		*57.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.946*		*"*	*1.66*		*56.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.501*		*"*	*0.831*		*60.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.486*		*"*	*0.831*		*58.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.21*		*"*	*1.66*		*73.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.580*		*"*	*0.831*		*69.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
Matrix Spike (BD20008-MS1) Matrix Spike	*Source sample: 22C1727-02 (Matrix Spike)							Prepared & Analyzed: 04/01/2022			
1,1-Biphenyl	0.627	0.0910	mg/kg dry	0.909	ND	69.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.548	0.182	"	0.909	ND	60.2	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.517	0.0910	"	0.909	ND	56.9	10-144				
2,3,4,6-Tetrachlorophenol	0.369	0.182	"	0.909	ND	40.6	30-130				
2,4,5-Trichlorophenol	0.607	0.0910	"	0.909	ND	66.8	10-127				
2,4,6-Trichlorophenol	0.537	0.0910	"	0.909	ND	59.0	10-132				
2,4-Dichlorophenol	0.534	0.0910	"	0.909	ND	58.8	10-128				
2,4-Dimethylphenol	0.587	0.0910	"	0.909	ND	64.6	10-137				
2,4-Dinitrophenol	ND	0.182	"	0.909	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.528	0.0910	"	0.909	ND	58.1	16-135				
2,6-Dinitrotoluene	0.597	0.0910	"	0.909	ND	65.7	18-131				
2-Chloronaphthalene	0.569	0.0910	"	0.909	ND	62.6	10-129				
2-Chlorophenol	0.577	0.0910	"	0.909	ND	63.5	15-116				
2-Methylnaphthalene	0.526	0.0910	"	0.909	ND	57.8	10-147				
2-Methylphenol	0.562	0.0910	"	0.909	ND	61.8	10-136				
2-Nitroaniline	0.913	0.182	"	0.909	ND	100	10-137				
2-Nitrophenol	0.324	0.0910	"	0.909	ND	35.7	10-129				
3- & 4-Methylphenols	0.505	0.0910	"	0.909	ND	55.6	10-123				
3,3-Dichlorobenzidine	0.248	0.0910	"	0.909	ND	27.3	10-155				
3-Nitroaniline	0.723	0.182	"	0.909	ND	79.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.182	"	0.909	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.624	0.0910	"	0.909	ND	68.6	14-128				
4-Chloro-3-methylphenol	0.613	0.0910	"	0.909	ND	67.4	10-134				
4-Chloroaniline	0.441	0.0910	"	0.909	ND	48.6	10-145				
4-Chlorophenyl phenyl ether	0.502	0.0910	"	0.909	ND	55.3	14-130				
4-Nitroaniline	0.684	0.182	"	0.909	ND	75.3	10-147				
4-Nitrophenol	0.386	0.182	"	0.909	ND	42.5	10-137				
Acenaphthene	0.588	0.0910	"	0.909	ND	64.6	10-146				
Acenaphthylene	0.642	0.0910	"	0.909	0.0497	65.2	10-134				
Acetophenone	0.509	0.0910	"	0.909	ND	56.0	10-116				
Aniline	0.462	0.364	"	0.909	ND	50.8	10-123				
Anthracene	0.704	0.0910	"	0.909	0.0648	70.3	10-142				
Atrazine	0.644	0.0910	"	0.909	ND	70.9	19-115				
Benzaldehyde	0.620	0.0910	"	0.909	ND	68.2	10-125				
Benzo(a)anthracene	0.779	0.0910	"	0.909	0.179	66.0	10-158				
Benzo(a)pyrene	0.875	0.0910	"	0.909	0.210	73.1	10-180				
Benzo(b)fluoranthene	0.859	0.0910	"	0.909	0.174	75.4	10-200				
Benzo(g,h,i)perylene	0.780	0.0910	"	0.909	0.142	70.2	10-138				
Benzo(k)fluoranthene	0.840	0.0910	"	0.909	0.149	76.0	10-197				
Benzoic acid	0.0829	0.0910	"	0.909	ND	9.12	10-166	Low Bias			
Benzyl alcohol	0.542	0.0910	"	0.909	ND	59.6	12-124				
Benzyl butyl phthalate	0.669	0.0910	"	0.909	ND	73.6	10-154				
Bis(2-chloroethoxy)methane	0.468	0.0910	"	0.909	ND	51.4	10-132				
Bis(2-chloroethyl)ether	0.673	0.0910	"	0.909	ND	74.0	10-119				
Bis(2-chloroisopropyl)ether	0.431	0.0910	"	0.909	ND	47.4	10-139				
Bis(2-ethylhexyl)phthalate	0.774	0.0910	"	0.909	ND	85.1	10-167				
Caprolactam	0.744	0.182	"	0.909	ND	81.8	10-132				
Carbazole	0.649	0.0910	"	0.909	ND	71.4	10-167				
Chrysene	0.748	0.0910	"	0.909	0.164	64.3	10-156				
Dibenzo(a,h)anthracene	0.719	0.0910	"	0.909	0.0475	73.9	10-137				
Dibenzofuran	0.547	0.0910	"	0.909	ND	60.2	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
Matrix Spike (BD20008-MS1) Matrix Spike	*Source sample: 22C1727-02 (Matrix Spike)							Prepared & Analyzed: 04/01/2022			
Diethyl phthalate	0.563	0.0910	mg/kg dry	0.909	ND	61.9	20-120				
Dimethyl phthalate	0.552	0.0910	"	0.909	ND	60.7	18-131				
Di-n-butyl phthalate	0.774	0.0910	"	0.909	0.0749	77.0	10-137				
Di-n-octyl phthalate	0.703	0.0910	"	0.909	ND	77.4	10-180				
Diphenylamine	0.732	0.182	"	0.909	ND	80.6	40-140				
Fluoranthene	1.01	0.0910	"	0.909	0.324	75.2	10-160				
Fluorene	0.583	0.0910	"	0.909	ND	64.2	10-157				
Hexachlorobenzene	0.604	0.0910	"	0.909	ND	66.5	10-137				
Hexachlorobutadiene	0.410	0.0910	"	0.909	ND	45.1	10-132				
Hexachlorocyclopentadiene	ND	0.0910	"	0.909	ND		10-106	Low Bias			
Hexachloroethane	0.313	0.0910	"	0.909	ND	34.4	10-110				
Indeno(1,2,3-cd)pyrene	0.930	0.0910	"	0.909	0.150	85.8	10-144				
Isophorone	0.451	0.0910	"	0.909	ND	49.6	10-132				
Naphthalene	0.554	0.0910	"	0.909	ND	61.0	10-141				
Nitrobenzene	0.478	0.0910	"	0.909	ND	52.6	10-131				
N-Nitrosodimethylamine	0.420	0.0910	"	0.909	ND	46.2	10-126				
N-nitroso-di-n-propylamine	0.409	0.0910	"	0.909	ND	45.0	10-125				
N-Nitrosodiphenylamine	0.759	0.0910	"	0.909	ND	83.5	10-177				
Pentachlorophenol	0.284	0.0910	"	0.909	ND	31.2	10-153				
Phenanthrene	0.729	0.0910	"	0.909	0.105	68.7	10-148				
Phenol	0.601	0.0910	"	0.909	ND	66.2	10-126				
Pyrene	0.853	0.0910	"	0.909	0.257	65.6	10-165				
Pyridine	0.378	0.364	"	0.909	ND	41.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.24*		"	*1.82*		*68.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.21*		"	*1.82*		*66.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.565*		"	*0.909*		*62.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.569*		"	*0.909*		*62.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.69*		"	*1.82*		*93.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.663*		"	*0.909*		*73.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
Matrix Spike Dup (BD20008-M Matrix Spike Dup	*Source sample: 22C1727-02 (Matrix Spike Dup)							Prepared & Analyzed: 04/01/2022			
1,1-Biphenyl	0.513	0.0910	mg/kg dry	0.909	ND	56.4	10-130		20.0	30	
1,2,4,5-Tetrachlorobenzene	0.441	0.182	"	0.909	ND	48.5	10-133		21.6	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.433	0.0910	"	0.909	ND	47.7	10-144		17.6	30	
2,3,4,6-Tetrachlorophenol	0.327	0.182	"	0.909	ND	36.0	30-130		11.9	30	
2,4,5-Trichlorophenol	0.497	0.0910	"	0.909	ND	54.7	10-127		19.9	30	
2,4,6-Trichlorophenol	0.419	0.0910	"	0.909	ND	46.1	10-132		24.7	30	
2,4-Dichlorophenol	0.465	0.0910	"	0.909	ND	51.1	10-128		14.0	30	
2,4-Dimethylphenol	0.487	0.0910	"	0.909	ND	53.6	10-137		18.6	30	
2,4-Dinitrophenol	ND	0.182	"	0.909	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.390	0.0910	"	0.909	ND	42.9	16-135		30.1	30	Non-dir.
2,6-Dinitrotoluene	0.455	0.0910	"	0.909	ND	50.1	18-131		27.0	30	
2-Chloronaphthalene	0.468	0.0910	"	0.909	ND	51.4	10-129		19.6	30	
2-Chlorophenol	0.474	0.0910	"	0.909	ND	52.2	15-116		19.6	30	
2-Methylnaphthalene	0.452	0.0910	"	0.909	ND	49.7	10-147		15.2	30	
2-Methylphenol	0.457	0.0910	"	0.909	ND	50.2	10-136		20.7	30	
2-Nitroaniline	0.785	0.182	"	0.909	ND	86.3	10-137		15.2	30	
2-Nitrophenol	0.247	0.0910	"	0.909	ND	27.2	10-129		27.0	30	
3- & 4-Methylphenols	0.419	0.0910	"	0.909	ND	46.1	10-123		18.7	30	
3,3-Dichlorobenzidine	0.287	0.0910	"	0.909	ND	31.6	10-155		14.7	30	
3-Nitroaniline	0.692	0.182	"	0.909	ND	76.2	12-133		4.42	30	
4,6-Dinitro-2-methylphenol	ND	0.182	"	0.909	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.500	0.0910	"	0.909	ND	55.0	14-128		22.1	30	
4-Chloro-3-methylphenol	0.492	0.0910	"	0.909	ND	54.1	10-134		22.0	30	
4-Chloroaniline	0.391	0.0910	"	0.909	ND	43.0	10-145		12.1	30	
4-Chlorophenyl phenyl ether	0.455	0.0910	"	0.909	ND	50.1	14-130		9.87	30	
4-Nitroaniline	0.647	0.182	"	0.909	ND	71.2	10-147		5.57	30	
4-Nitrophenol	0.265	0.182	"	0.909	ND	29.2	10-137		37.1	30	Non-dir.
Acenaphthene	0.504	0.0910	"	0.909	ND	55.4	10-146		15.3	30	
Acenaphthylene	0.534	0.0910	"	0.909	0.0497	53.3	10-134		18.3	30	
Acetophenone	0.420	0.0910	"	0.909	ND	46.2	10-116		19.1	30	
Aniline	0.377	0.364	"	0.909	ND	41.4	10-123		20.3	30	
Anthracene	0.620	0.0910	"	0.909	0.0648	61.1	10-142		12.6	30	
Atrazine	0.516	0.0910	"	0.909	ND	56.7	19-115		22.2	30	
Benzaldehyde	0.503	0.0910	"	0.909	ND	55.4	10-125		20.8	30	
Benzo(a)anthracene	0.674	0.0910	"	0.909	0.179	54.4	10-158		14.5	30	
Benzo(a)pyrene	0.740	0.0910	"	0.909	0.210	58.3	10-180		16.7	30	
Benzo(b)fluoranthene	0.753	0.0910	"	0.909	0.174	63.7	10-200		13.2	30	
Benzo(g,h,i)perylene	0.650	0.0910	"	0.909	0.142	55.9	10-138		18.2	30	
Benzo(k)fluoranthene	0.710	0.0910	"	0.909	0.149	61.8	10-197		16.7	30	
Benzoic acid	0.0923	0.0910	"	0.909	ND	10.2	10-166		10.8	30	
Benzyl alcohol	0.454	0.0910	"	0.909	ND	49.9	12-124		17.7	30	
Benzyl butyl phthalate	0.670	0.0910	"	0.909	ND	73.8	10-154		0.217	30	
Bis(2-chloroethoxy)methane	0.422	0.0910	"	0.909	ND	46.4	10-132		10.3	30	
Bis(2-chloroethyl)ether	0.463	0.0910	"	0.909	ND	51.0	10-119		36.9	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.344	0.0910	"	0.909	ND	37.8	10-139		22.5	30	
Bis(2-ethylhexyl)phthalate	0.620	0.0910	"	0.909	ND	68.2	10-167		22.0	30	
Caprolactam	0.660	0.182	"	0.909	ND	72.6	10-132		11.9	30	
Carbazole	0.531	0.0910	"	0.909	ND	58.4	10-167		20.1	30	
Chrysene	0.625	0.0910	"	0.909	0.164	50.7	10-156		18.0	30	
Dibenzo(a,h)anthracene	0.636	0.0910	"	0.909	0.0475	64.8	10-137		12.2	30	
Dibenzofuran	0.470	0.0910	"	0.909	ND	51.7	10-147		15.2	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20008 - EPA 3546 SVOA											
Matrix Spike Dup (BD20008-M Matrix Spike Dup	*Source sample: 22C1727-02 (Matrix Spike Dup)							Prepared & Analyzed: 04/01/2022			
Diethyl phthalate	0.470	0.0910	mg/kg dry	0.909	ND	51.8	20-120		17.9	30	
Dimethyl phthalate	0.474	0.0910	"	0.909	ND	52.2	18-131		15.2	30	
Di-n-butyl phthalate	0.637	0.0910	"	0.909	0.0749	61.8	10-137		19.5	30	
Di-n-octyl phthalate	0.593	0.0910	"	0.909	ND	65.3	10-180		16.9	30	
Diphenylamine	0.621	0.182	"	0.909	ND	68.3	40-140		16.4	30	
Fluoranthene	0.852	0.0910	"	0.909	0.324	58.1	10-160		16.7	30	
Fluorene	0.491	0.0910	"	0.909	ND	54.0	10-157		17.2	30	
Hexachlorobenzene	0.435	0.0910	"	0.909	ND	47.8	10-137		32.6	30	Non-dir.
Hexachlorobutadiene	0.356	0.0910	"	0.909	ND	39.2	10-132		14.0	30	
Hexachlorocyclopentadiene	ND	0.0910	"	0.909	ND		10-106	Low Bias		30	
Hexachloroethane	0.255	0.0910	"	0.909	ND	28.1	10-110		20.2	30	
Indeno(1,2,3-cd)pyrene	0.812	0.0910	"	0.909	0.150	72.9	10-144		13.5	30	
Isophorone	0.391	0.0910	"	0.909	ND	43.0	10-132		14.2	30	
Naphthalene	0.446	0.0910	"	0.909	ND	49.0	10-141		21.7	30	
Nitrobenzene	0.396	0.0910	"	0.909	ND	43.6	10-131		18.8	30	
N-Nitrosodimethylamine	0.341	0.0910	"	0.909	ND	37.5	10-126		20.7	30	
N-nitroso-di-n-propylamine	0.366	0.0910	"	0.909	ND	40.2	10-125		11.3	30	
N-Nitrosodiphenylamine	0.592	0.0910	"	0.909	ND	65.1	10-177		24.8	30	
Pentachlorophenol	0.206	0.0910	"	0.909	ND	22.6	10-153		31.8	30	Non-dir.
Phenanthrene	0.620	0.0910	"	0.909	0.105	56.7	10-148		16.2	30	
Phenol	0.529	0.0910	"	0.909	ND	58.2	10-126		12.7	30	
Pyrene	0.747	0.0910	"	0.909	0.257	53.9	10-165		13.3	30	
Pyridine	0.296	0.364	"	0.909	ND	32.6	10-83		24.4	30	
Surrogate: SURR: 2-Fluorophenol	*1.01*		"	*1.82*		*55.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.00*		"	*1.82*		*55.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.467*		"	*0.909*		*51.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.478*		"	*0.909*		*52.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.29*		"	*1.82*		*71.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.545*		"	*0.909*		*60.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20036 - EPA 3550C											
Blank (BD20036-BLK1) Blank								Prepared: 04/01/2022 Analyzed: 04/04/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*39-127.5*				
LCS (BD20036-BS1) LCS								Prepared: 04/01/2022 Analyzed: 04/04/2022			
1,4-Dioxane	476	19.8	ug/kg	495		96.2	40-130				
Surrogate: 1,4-Dioxane-d8	*257*		*"*	*495*		*52.0*	*39-127.5*				
Matrix Spike (BD20036-MS1) Matrix Spike *Source sample: 22C1758-02 (EP58_0.5)								Prepared: 04/01/2022 Analyzed: 04/04/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*257*		*"*	*495*		*52.0*	*40-130*				
Matrix Spike Dup (BD20036-M Matrix Spike Dup *Source sample: 22C1758-02 (EP58_0.5)								Prepared: 04/01/2022 Analyzed: 04/04/2022			
1,4-Dioxane	477	19.8	ug/kg	495	ND	96.4	40-130		3.67	30	
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD20030-BLK1) Blank									Prepared: 04/01/2022 Analyzed: 04/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*96.9*		"	*74.3*		*130*	*25-150*				
Surrogate: M5PFHxA	*97.4*		"	*80.0*		*122*	*25-150*				
Surrogate: M4PFHpA	*96.0*		"	*80.0*		*120*	*25-150*				
Surrogate: M3PFHxS	*94.9*		"	*75.7*		*125*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*107*		"	*80.0*		*133*	*25-150*				
Surrogate: M6PFDA	*106*		"	*80.0*		*132*	*25-150*				
Surrogate: M7PFUdA	*111*		"	*80.0*		*138*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*108*		"	*80.0*		*136*	*25-150*				
Surrogate: M2PFTeDA	*65.4*		"	*80.0*		*81.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*107*		"	*80.0*		*133*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*118*		"	*76.6*		*154*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*108*		"	*80.0*		*135*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.6*		"	*80.0*		*52.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*104*		"	*80.0*		*130*	*25-150*				
Surrogate: d5-N-EtFOSAA	*104*		"	*80.0*		*130*	*25-150*				
Surrogate: M2-6:2 FTS	*78.9*		"	*75.9*		*104*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		"	*76.6*		*141*	*25-200*				
Surrogate: M9PFNA	*115*		"	*80.0*		*144*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD20030-BS1) LCS									Prepared: 04/01/2022 Analyzed: 04/04/2022		
Perfluorobutanesulfonic acid (PFBS)	70.7	2.00	ng/L	70.8		99.9	50-130				
Perfluorohexanoic acid (PFHxA)	78.3	2.00	"	80.0		97.9	50-130				
Perfluoroheptanoic acid (PFHpA)	81.2	2.00	"	80.0		101	50-130				
Perfluorohexanesulfonic acid (PFHxS)	71.1	2.00	"	72.8		97.7	50-130				
Perfluorooctanoic acid (PFOA)	77.3	2.00	"	80.0		96.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	88.7	2.00	"	74.0		120	50-130				
Perfluorononanoic acid (PFNA)	75.5	2.00	"	80.0		94.4	50-130				
Perfluorodecanoic acid (PFDA)	80.0	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	80.9	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	82.4	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	65.6	2.00	"	80.0		82.0	50-130				
Perfluorotetradecanoic acid (PFTA)	77.3	2.00	"	80.0		96.6	50-130				
N-MeFOSAA	77.6	2.00	"	80.0		97.0	50-130				
N-EtFOSAA	71.5	2.00	"	80.0		89.4	50-130				
Perfluoropentanoic acid (PFPeA)	75.1	2.00	"	80.0		93.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	66.8	2.00	"	80.0		83.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.6	2.00	"	76.4		97.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	72.8	2.00	"	77.2		94.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	70.9	5.00	"	76.0		93.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.2	2.00	"	76.8		94.0	50-175				
Perfluoro-n-butanoic acid (PFBA)	75.5	2.00	"	80.0		94.4	50-130				
Surrogate: M3PFBS	*76.1*		*"*	*74.3*		*102*	*25-150*				
Surrogate: M5PFHxA	*85.7*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M4PFHpA	*81.5*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*78.3*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.8*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M6PFDA	*87.3*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M7PFUdA	*85.4*		*"*	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*99.0*		*"*	*80.0*		*124*	*25-150*				
Surrogate: M2PFTeDA	*73.2*		*"*	*80.0*		*91.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*90.6*		*"*	*80.0*		*113*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.1*		*"*	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*88.4*		*"*	*80.0*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.9*		*"*	*80.0*		*41.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*87.7*		*"*	*80.0*		*110*	*25-150*				
Surrogate: d5-N-EtFOSAA	*95.3*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M2-6:2 FTS	*74.4*		*"*	*75.9*		*98.0*	*25-200*				
Surrogate: M2-8:2 FTS	*90.2*		*"*	*76.6*		*118*	*25-200*				
Surrogate: M9PFNA	*90.7*		*"*	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20030 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BD20030-BSD1) LCS Dup								Prepared: 04/01/2022 Analyzed: 04/04/2022			
Perfluorobutanesulfonic acid (PFBS)	73.0	2.00	ng/L	70.8		103	50-130		3.22	30	
Perfluorohexanoic acid (PFHxA)	77.1	2.00	"	80.0		96.3	50-130		1.56	30	
Perfluoroheptanoic acid (PFHpA)	83.3	2.00	"	80.0		104	50-130		2.55	30	
Perfluorohexanesulfonic acid (PFHxS)	73.4	2.00	"	72.8		101	50-130		3.13	30	
Perfluorooctanoic acid (PFOA)	79.4	2.00	"	80.0		99.2	50-130		2.61	30	
Perfluorooctanesulfonic acid (PFOS)	91.2	2.00	"	74.0		123	50-130		2.79	30	
Perfluorononanoic acid (PFNA)	71.6	2.00	"	80.0		89.5	50-130		5.32	30	
Perfluorodecanoic acid (PFDA)	82.8	2.00	"	80.0		104	50-130		3.41	30	
Perfluoroundecanoic acid (PFUnA)	79.2	2.00	"	80.0		99.0	50-130		2.08	30	
Perfluorododecanoic acid (PFDoA)	77.7	2.00	"	80.0		97.1	50-130		5.85	30	
Perfluorotridecanoic acid (PFTrDA)	62.6	2.00	"	80.0		78.3	50-130		4.65	30	
Perfluorotetradecanoic acid (PFTA)	88.7	2.00	"	80.0		111	50-130		13.7	30	
N-MeFOSAA	76.4	2.00	"	80.0		95.5	50-130		1.52	30	
N-EtFOSAA	80.1	2.00	"	80.0		100	50-130		11.4	30	
Perfluoropentanoic acid (PFPeA)	81.5	2.00	"	80.0		102	50-130		8.18	30	
Perfluoro-1-octanesulfonamide (FOSA)	74.4	2.00	"	80.0		93.0	50-130		10.7	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.5	2.00	"	76.4		109	50-130		11.2	30	
Perfluoro-1-decanesulfonic acid (PFDS)	77.2	2.00	"	77.2		100	50-130		5.84	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	67.1	5.00	"	76.0		88.2	50-175		5.64	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	88.3	2.00	"	76.8		115	50-175		20.1	30	
Perfluoro-n-butanoic acid (PFBA)	78.1	2.00	"	80.0		97.6	50-130		3.33	30	
Surrogate: M3PFBS	*82.8*		*"*	*74.3*		*111*	*25-150*				
Surrogate: M5PFHxA	*91.7*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M4PFHpA	*83.2*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*78.0*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*96.6*		*"*	*80.0*		*121*	*25-150*				
Surrogate: M6PFDA	*91.8*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M7PFUdA	*94.3*		*"*	*80.0*		*118*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*107*		*"*	*80.0*		*133*	*25-150*				
Surrogate: M2PFTeDA	*67.7*		*"*	*80.0*		*84.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*92.0*		*"*	*80.0*		*115*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.2*		*"*	*76.6*		*122*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*87.2*		*"*	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.4*		*"*	*80.0*		*46.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*96.7*		*"*	*80.0*		*121*	*25-150*				
Surrogate: d5-N-EtFOSAA	*89.7*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2-6:2 FTS	*78.4*		*"*	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*88.6*		*"*	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*104*		*"*	*80.0*		*130*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD20045 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BD20045-BLK1) Blank — Prepared: 04/01/2022 Analyzed: 04/06/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.242	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.242	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.242	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.242	"								
Perfluorooctanoic acid (PFOA)	ND	0.242	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.242	"								
Perfluorononanoic acid (PFNA)	ND	0.242	"								
Perfluorodecanoic acid (PFDA)	ND	0.242	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.242	"								
Perfluorododecanoic acid (PFDoA)	ND	0.242	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.242	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.242	"								
N-MeFOSAA	ND	0.242	"								
N-EtFOSAA	ND	0.242	"								
Perfluoropentanoic acid (PFPeA)	ND	0.242	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.242	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.242	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.242	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.242	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.242	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.242	"								
Surrogate: M3PFBS	*4.71*		"	*4.49*		*105*	*25-150*				
Surrogate: M5PFHxA	*5.31*		"	*4.84*		*110*	*25-150*				
Surrogate: M4PFHpA	*4.46*		"	*4.84*		*92.2*	*25-150*				
Surrogate: M3PFHxS	*4.54*		"	*4.58*		*99.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.36*		"	*4.84*		*111*	*25-150*				
Surrogate: M6PFDA	*4.71*		"	*4.84*		*97.3*	*25-150*				
Surrogate: M7PFUdA	*3.92*		"	*4.84*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.27*		"	*4.84*		*109*	*25-150*				
Surrogate: M2PFTeDA	*4.13*		"	*4.84*		*85.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.68*		"	*4.84*		*117*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.12*		"	*4.63*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.30*		"	*4.84*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.99*		"	*4.84*		*103*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.38*		"	*4.84*		*90.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.49*		"	*4.84*		*72.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.13*		"	*4.59*		*89.9*	*25-200*				
Surrogate: M2-8:2 FTS	*5.98*		"	*4.63*		*129*	*25-200*				
Surrogate: M9PFNA	*4.78*		"	*4.84*		*98.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20045 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BD20045-BS1) LCS								Prepared: 04/01/2022 Analyzed: 04/06/2022			
Perfluorobutanesulfonic acid (PFBS)	3.54	0.229	ug/kg wet	4.06		87.1	50-130				
Perfluorohexanoic acid (PFHxA)	4.22	0.229	"	4.59		92.1	50-130				
Perfluoroheptanoic acid (PFHpA)	5.06	0.229	"	4.59		110	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.63	0.229	"	4.17		87.0	50-130				
Perfluorooctanoic acid (PFOA)	4.07	0.229	"	4.59		88.8	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.60	0.229	"	4.24		108	50-130				
Perfluorononanoic acid (PFNA)	4.18	0.229	"	4.59		91.0	50-130				
Perfluorodecanoic acid (PFDA)	3.88	0.229	"	4.59		84.5	50-130				
Perfluoroundecanoic acid (PFUnA)	4.46	0.229	"	4.59		97.2	50-130				
Perfluorododecanoic acid (PFDoA)	4.57	0.229	"	4.59		99.6	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.80	0.229	"	4.59		82.8	50-130				
Perfluorotetradecanoic acid (PFTA)	4.75	0.229	"	4.59		104	50-130				
N-MeFOSAA	4.46	0.229	"	4.59		97.3	50-130				
N-EtFOSAA	5.86	0.229	"	4.59		128	50-130				
Perfluoropentanoic acid (PFPeA)	4.36	0.229	"	4.59		95.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	3.93	0.229	"	4.59		85.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.40	0.229	"	4.38		100	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.52	0.229	"	4.43		79.6	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.14	0.229	"	4.36		141	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	2.45	0.229	"	4.40		55.5	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.24	0.229	"	4.59		92.4	50-130				
Surrogate: M3PFBS	*4.77*		"	*4.26*		*112*	*25-150*				
Surrogate: M5PFHxA	*4.90*		"	*4.59*		*107*	*25-150*				
Surrogate: M4PFHpA	*3.96*		"	*4.59*		*86.4*	*25-150*				
Surrogate: M3PFHxS	*4.63*		"	*4.34*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.98*		"	*4.59*		*108*	*25-150*				
Surrogate: M6PFDA	*5.33*		"	*4.59*		*116*	*25-150*				
Surrogate: M7PFUdA	*4.74*		"	*4.59*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.94*		"	*4.59*		*108*	*25-150*				
Surrogate: M2PFTeDA	*3.80*		"	*4.59*		*82.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.22*		"	*4.59*		*114*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.65*		"	*4.39*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.93*		"	*4.59*		*108*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*5.07*		"	*4.59*		*110*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.47*		"	*4.59*		*97.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.89*		"	*4.59*		*84.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.91*		"	*4.35*		*89.8*	*25-200*				
Surrogate: M2-8:2 FTS	*7.10*		"	*4.40*		*162*	*25-200*				
Surrogate: M9PFNA	*4.88*		"	*4.59*		*106*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20045 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BD20045-MS1) Matrix Spike	*Source sample: 22C1696-01 (Matrix Spike)								Prepared: 04/01/2022 Analyzed: 04/06/2022		
Perfluorobutanesulfonic acid (PFBS)	4.33	0.255	ug/kg dry	4.51	ND	95.9	25-150				
Perfluorohexanoic acid (PFHxA)	4.73	0.255	"	5.10	ND	92.7	25-150				
Perfluoroheptanoic acid (PFHpA)	5.10	0.255	"	5.10	ND	99.9	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.48	0.255	"	4.64	ND	96.6	25-150				
Perfluorooctanoic acid (PFOA)	5.32	0.255	"	5.10	ND	104	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.11	0.255	"	4.72	ND	108	25-150				
Perfluorononanoic acid (PFNA)	5.19	0.255	"	5.10	ND	102	25-150				
Perfluorodecanoic acid (PFDA)	5.45	0.255	"	5.10	ND	107	25-150				
Perfluoroundecanoic acid (PFUnA)	4.79	0.255	"	5.10	ND	93.9	25-150				
Perfluorododecanoic acid (PFDoA)	5.02	0.255	"	5.10	ND	98.3	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.19	0.255	"	5.10	ND	82.1	25-150				
Perfluorotetradecanoic acid (PFTA)	5.15	0.255	"	5.10	ND	101	25-150				
N-MeFOSAA	3.82	0.255	"	5.10	ND	74.8	25-150				
N-EtFOSAA	4.88	0.255	"	5.10	ND	95.6	25-150				
Perfluoropentanoic acid (PFPeA)	4.93	0.255	"	5.10	ND	96.7	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.77	0.255	"	5.10	ND	93.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.60	0.255	"	4.87	ND	115	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.34	0.255	"	4.92	ND	88.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.25	0.255	"	4.85	ND	129	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.28	0.255	"	4.90	ND	87.4	25-200				
Perfluoro-n-butanoic acid (PFBA)	4.72	0.255	"	5.10	ND	92.5	25-150				
Surrogate: M3PFBS	*5.03*		*"*	*4.74*		*106*	*25-150*				
Surrogate: M5PFHxA	*5.30*		*"*	*5.10*		*104*	*25-150*				
Surrogate: M4PFHpA	*4.93*		*"*	*5.10*		*96.6*	*25-150*				
Surrogate: M3PFHxS	*4.95*		*"*	*4.83*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.90*		*"*	*5.10*		*96.1*	*25-150*				
Surrogate: M6PFDA	*4.80*		*"*	*5.10*		*94.1*	*25-150*				
Surrogate: M7PFUdA	*4.98*		*"*	*5.10*		*97.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.19*		*"*	*5.10*		*102*	*25-150*				
Surrogate: M2PFTeDA	*3.75*		*"*	*5.10*		*73.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.65*		*"*	*5.10*		*111*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.74*		*"*	*4.88*		*97.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.18*		*"*	*5.10*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*5.18*		*"*	*5.10*		*102*	*10-150*				
Surrogate: d3-N-MeFOSAA	*6.39*		*"*	*5.10*		*125*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.95*		*"*	*5.10*		*97.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.27*		*"*	*4.84*		*67.5*	*25-200*				
Surrogate: M2-8:2 FTS	*5.94*		*"*	*4.89*		*121*	*25-200*				
Surrogate: M9PFNA	*4.82*		*"*	*5.10*		*94.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD20045 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BD20045-M Matrix Spike Dup *Source sample: 22C1696-01 (Matrix Spike Dup) Prepared: 04/01/2022 Analyzed: 04/06/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.28	0.255	ug/kg dry	4.52	ND	94.7	25-150		1.10	35	
Perfluorohexanoic acid (PFHxA)	3.78	0.255	"	5.11	ND	74.0	25-150		22.2	35	
Perfluoroheptanoic acid (PFHpA)	5.67	0.255	"	5.11	ND	111	25-150		10.6	35	
Perfluorohexanesulfonic acid (PFHxS)	4.68	0.255	"	4.65	ND	101	25-150		4.31	35	
Perfluorooctanoic acid (PFOA)	5.71	0.255	"	5.11	ND	112	25-150		7.06	35	
Perfluorooctanesulfonic acid (PFOS)	5.17	0.255	"	4.73	ND	109	25-150		1.23	35	
Perfluorononanoic acid (PFNA)	5.20	0.255	"	5.11	ND	102	25-150		0.104	35	
Perfluorodecanoic acid (PFDA)	4.77	0.255	"	5.11	ND	93.3	25-150		13.4	35	
Perfluoroundecanoic acid (PFUnA)	4.68	0.255	"	5.11	ND	91.7	25-150		2.19	35	
Perfluorododecanoic acid (PFDoA)	4.57	0.255	"	5.11	ND	89.3	25-150		9.42	35	
Perfluorotridecanoic acid (PFTrDA)	4.13	0.255	"	5.11	ND	80.8	25-150		1.45	35	
Perfluorotetradecanoic acid (PFTA)	4.93	0.255	"	5.11	ND	96.5	25-150		4.34	35	
N-MeFOSAA	4.61	0.255	"	5.11	ND	90.3	25-150		18.9	35	
N-EtFOSAA	5.21	0.255	"	5.11	ND	102	25-150		6.48	35	
Perfluoropentanoic acid (PFPeA)	5.09	0.255	"	5.11	ND	99.5	25-150		3.04	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.19	0.255	"	5.11	ND	81.9	25-150		13.1	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.82	0.255	"	4.88	ND	98.8	25-150		14.9	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.47	0.255	"	4.93	ND	90.6	25-150		3.03	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	2.96	0.255	"	4.85	ND	61.1	25-200		71.4	35	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.44	0.255	"	4.91	ND	90.5	25-200		3.71	35	
Perfluoro-n-butanoic acid (PFBA)	4.76	0.255	"	5.11	ND	93.2	25-150		0.927	35	
Surrogate: M3PFBS	*4.59*		"	*4.75*		*96.7*	*25-150*				
Surrogate: M5PFHxA	*5.21*		"	*5.11*		*102*	*25-150*				
Surrogate: M4PFHpA	*4.20*		"	*5.11*		*82.3*	*25-150*				
Surrogate: M3PFHxS	*4.54*		"	*4.83*		*93.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.23*		"	*5.11*		*82.8*	*25-150*				
Surrogate: M6PFDA	*4.86*		"	*5.11*		*95.1*	*25-150*				
Surrogate: M7PFUdA	*4.54*		"	*5.11*		*88.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*5.21*		"	*5.11*		*102*	*25-150*				
Surrogate: M2PFTeDA	*4.23*		"	*5.11*		*82.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.22*		"	*5.11*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.67*		"	*4.89*		*95.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.97*		"	*5.11*		*97.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.72*		"	*5.11*		*92.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.09*		"	*5.11*		*80.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.29*		"	*5.11*		*84.0*	*25-150*				
Surrogate: M2-6:2 FTS	*4.70*		"	*4.85*		*96.9*	*25-200*				
Surrogate: M2-8:2 FTS	*4.41*		"	*4.90*		*90.1*	*25-200*				
Surrogate: M9PFNA	*4.43*		"	*5.11*		*86.7*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20005 - EPA 3550C											
Blank (BD20005-BLK1) Blank									Prepared: 04/01/2022 Analyzed: 04/03/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0625*		*"*	*0.0664*		*94.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0629*		*"*	*0.0664*		*94.6*	*30-150*				
LCS (BD20005-BS1) LCS									Prepared: 04/01/2022 Analyzed: 04/03/2022		
4,4'-DDD	0.0344	0.00164	mg/kg wet	0.0332		104	40-140				
4,4'-DDE	0.0262	0.00164	"	0.0332		78.8	40-140				
4,4'-DDT	0.0134	0.00164	"	0.0332		40.5	40-140				
Aldrin	0.0368	0.00164	"	0.0332		111	40-140				
alpha-BHC	0.0399	0.00164	"	0.0332		120	40-140				
alpha-Chlordane	0.0347	0.00164	"	0.0332		105	40-140				
beta-BHC	0.0361	0.00164	"	0.0332		109	40-140				
delta-BHC	0.0341	0.00164	"	0.0332		103	40-140				
Dieldrin	0.0337	0.00164	"	0.0332		101	40-140				
Endosulfan I	0.0393	0.00164	"	0.0332		118	40-140				
Endosulfan II	0.0323	0.00164	"	0.0332		97.1	40-140				
Endosulfan sulfate	0.0269	0.00164	"	0.0332		81.0	40-140				
Endrin	0.0300	0.00164	"	0.0332		90.2	40-140				
Endrin aldehyde	0.0412	0.00164	"	0.0332		124	40-140				
Endrin ketone	0.0367	0.00164	"	0.0332		110	40-140				
gamma-BHC (Lindane)	0.0379	0.00164	"	0.0332		114	40-140				
gamma-Chlordane	0.0350	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0297	0.00164	"	0.0332		89.4	40-140				
Heptachlor epoxide	0.0365	0.00164	"	0.0332		110	40-140				
Methoxychlor	0.0190	0.00164	"	0.0332		57.3	40-140				
Surrogate: Decachlorobiphenyl	*0.0523*		*"*	*0.0664*		*78.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0536*		*"*	*0.0664*		*80.7*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20005 - EPA 3550C											
Matrix Spike (BD20005-MS1) Matrix Spike	*Source sample: 22C1735-01 (Matrix Spike)										Prepared: 04/01/2022 Analyzed: 04/03/2022
4,4'-DDD	0.0433	0.00173	mg/kg dry	0.0349	ND	124	30-150				
4,4'-DDE	0.0345	0.00173	"	0.0349	ND	98.9	30-150				
4,4'-DDT	0.0179	0.00173	"	0.0349	ND	51.3	30-150				
Aldrin	0.0475	0.00173	"	0.0349	ND	136	30-150				
alpha-BHC	0.0486	0.00173	"	0.0349	ND	139	30-150				
alpha-Chlordane	0.0439	0.00173	"	0.0349	ND	126	30-150				
beta-BHC	0.0445	0.00173	"	0.0349	ND	128	30-150				
delta-BHC	0.0391	0.00173	"	0.0349	ND	112	30-150				
Dieldrin	0.0429	0.00173	"	0.0349	ND	123	30-150				
Endosulfan I	0.0475	0.00173	"	0.0349	ND	136	30-150				
Endosulfan II	0.0385	0.00173	"	0.0349	ND	110	30-150				
Endosulfan sulfate	0.0303	0.00173	"	0.0349	ND	86.9	30-150				
Endrin	0.0383	0.00173	"	0.0349	ND	110	30-150				
Endrin aldehyde	0.0423	0.00173	"	0.0349	ND	121	30-150				
Endrin ketone	0.0434	0.00173	"	0.0349	ND	125	30-150				
gamma-BHC (Lindane)	0.0480	0.00173	"	0.0349	ND	138	30-150				
gamma-Chlordane	0.0439	0.00173	"	0.0349	ND	126	30-150				
Heptachlor	0.0385	0.00173	"	0.0349	ND	110	30-150				
Heptachlor epoxide	0.0463	0.00173	"	0.0349	ND	133	30-150				
Methoxychlor	0.0252	0.00173	"	0.0349	ND	72.3	30-150				
Surrogate: Decachlorobiphenyl	*0.0513*		*"*	*0.0697*		*73.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0564*		*"*	*0.0697*		*80.9*	*30-150*				
Matrix Spike Dup (BD20005-M Matrix Spike Dup	*Source sample: 22C1735-01 (Matrix Spike Dup)										Prepared: 04/01/2022 Analyzed: 04/03/2022
4,4'-DDD	0.0459	0.00173	mg/kg dry	0.0349	ND	132	30-150		5.91	30	
4,4'-DDE	0.0363	0.00173	"	0.0349	ND	104	30-150		5.01	30	
4,4'-DDT	0.0204	0.00173	"	0.0349	ND	58.5	30-150		13.2	30	
Aldrin	0.0488	0.00173	"	0.0349	ND	140	30-150		2.72	30	
alpha-BHC	0.0519	0.00173	"	0.0349	ND	149	30-150		6.63	30	
alpha-Chlordane	0.0456	0.00173	"	0.0349	ND	131	30-150		3.82	30	
beta-BHC	0.0453	0.00173	"	0.0349	ND	130	30-150		1.86	30	
delta-BHC	0.0394	0.00173	"	0.0349	ND	113	30-150		0.768	30	
Dieldrin	0.0445	0.00173	"	0.0349	ND	128	30-150		3.79	30	
Endosulfan I	0.0467	0.00173	"	0.0349	ND	134	30-150		1.74	30	
Endosulfan II	0.0405	0.00173	"	0.0349	ND	116	30-150		5.25	30	
Endosulfan sulfate	0.0322	0.00173	"	0.0349	ND	92.4	30-150		6.13	30	
Endrin	0.0407	0.00173	"	0.0349	ND	117	30-150		6.01	30	
Endrin aldehyde	0.0456	0.00173	"	0.0349	ND	131	30-150		7.35	30	
Endrin ketone	0.0470	0.00173	"	0.0349	ND	135	30-150		7.88	30	
gamma-BHC (Lindane)	0.0491	0.00173	"	0.0349	ND	141	30-150		2.08	30	
gamma-Chlordane	0.0455	0.00173	"	0.0349	ND	130	30-150		3.52	30	
Heptachlor	0.0398	0.00173	"	0.0349	ND	114	30-150		3.33	30	
Heptachlor epoxide	0.0478	0.00173	"	0.0349	ND	137	30-150		3.02	30	
Methoxychlor	0.0303	0.00173	"	0.0349	ND	86.9	30-150		18.4	30	
Surrogate: Decachlorobiphenyl	*0.0596*		*"*	*0.0697*		*85.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0581*		*"*	*0.0697*		*83.3*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20005 - EPA 3550C											
Blank (BD20005-BLK2) Blank								Prepared & Analyzed: 04/01/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0522*		"	*0.0664*		*78.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0475*		"	*0.0664*		*71.5*	*30-150*				
LCS (BD20005-BS2) LCS								Prepared & Analyzed: 04/01/2022			
Aroclor 1016	0.239	0.0166	mg/kg wet	0.332		72.1	40-140			30	
Aroclor 1260	0.225	0.0166	"	0.332		67.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0468*		"	*0.0664*		*70.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0352*		"	*0.0664*		*53.0*	*30-150*				
Matrix Spike (BD20005-MS2) Matrix Spike *Source sample: 22C1735-01 (Matrix Spike)								Prepared: 04/01/2022 Analyzed: 04/02/2022			
Aroclor 1016	0.275	0.0174	mg/kg dry	0.349	ND	78.9	40-140			30	
Aroclor 1260	0.290	0.0174	"	0.349	ND	83.3	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0520*		"	*0.0697*		*74.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0464*		"	*0.0697*		*66.5*	*30-150*				
Matrix Spike Dup (BD20005-M Matrix Spike Dup *Source sample: 22C1735-01 (Matrix Spike Dup)								Prepared: 04/01/2022 Analyzed: 04/02/2022			
Aroclor 1016	0.294	0.0174	mg/kg dry	0.349	ND	84.3	40-140		6.62	30	
Aroclor 1260	0.327	0.0174	"	0.349	ND	93.8	40-140		11.9	30	
Surrogate: Tetrachloro-m-xylene	*0.0534*		"	*0.0697*		*76.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0544*		"	*0.0697*		*78.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20006 - EPA 3550C/8151A											
Blank (BD20006-BLK1) Blank								Prepared & Analyzed: 04/01/2022			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.319*		*"*	*0.415*		*76.8*	*21-150*				
LCS (BD20006-BS1) LCS								Prepared & Analyzed: 04/01/2022			
2,4,5-T	0.0623	0.0199	mg/kg wet	0.133		46.9	10-120				
2,4,5-TP (Silvex)	0.0640	0.0199	"	0.133		48.1	10-120				
2,4-D	0.0739	0.0199	"	0.133		55.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.261*		*"*	*0.415*		*62.8*	*21-150*				
Matrix Spike (BD20006-MS1) Matrix Spike *Source sample: 22C1775-02 (Matrix Spike)								Prepared & Analyzed: 04/01/2022			
2,4,5-T	0.0709	0.0213	mg/kg dry	0.142	ND	50.0	10-120				
2,4,5-TP (Silvex)	0.0727	0.0213	"	0.142	ND	51.2	10-120				
2,4-D	0.0851	0.0213	"	0.142	ND	60.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.324*		*"*	*0.443*		*73.2*	*21-150*				
Matrix Spike Dup (BD20006-M Matrix Spike Dup *Source sample: 22C1775-02 (Matrix Spike Dup)								Prepared & Analyzed: 04/01/2022			
2,4,5-T	0.0727	0.0213	mg/kg dry	0.142	ND	51.2	10-120		2.47	35	
2,4,5-TP (Silvex)	0.0744	0.0213	"	0.142	ND	52.5	10-120		2.41	35	
2,4-D	0.0886	0.0213	"	0.142	ND	62.5	10-118		4.08	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.316*		*"*	*0.443*		*71.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20071 - EPA 3050B											
Blank (BD20071-BLK1) Blank									Prepared: 04/01/2022 Analyzed: 04/04/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	9.52	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BD20071-DUP1) Duplicate	*Source sample: 22C1763-17 (Duplicate)								Prepared: 04/01/2022 Analyzed: 04/04/2022		
Aluminum	7970	5.76	mg/kg dry		8380				4.99	35	
Antimony	4.24	2.88	"		3.54				18.0	35	
Arsenic	ND	1.73	"		ND					35	
Barium	50.4	2.88	"		52.7				4.30	35	
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.346	"		ND					35	
Calcium	1290	5.76	"		963				29.1	35	
Chromium	14.6	0.576	"		13.4				8.54	35	
Cobalt	6.36	0.461	"		6.06				4.79	35	
Copper	15.6	2.31	"		15.9				2.06	35	
Iron	11700	28.8	"		11400				2.70	35	
Lead	17.7	0.576	"		19.4				8.91	35	
Magnesium	1920	5.76	"		1920				0.241	35	
Manganese	137	0.576	"		122				11.2	35	
Nickel	2.48	1.15	"		2.46				0.540	35	
Potassium	889	5.76	"		794				11.4	35	
Selenium	ND	2.88	"		ND					35	
Silver	ND	0.576	"		ND					35	
Sodium	268	57.6	"		254				5.71	35	
Thallium	ND	2.88	"		ND					35	
Vanadium	19.3	1.15	"		18.4				4.63	35	
Zinc	26.0	2.88	"		24.9				4.57	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20071 - EPA 3050B											
Matrix Spike (BD20071-MS1) Matrix Spike	*Source sample: 22C1763-17 (Matrix Spike)								Prepared: 04/01/2022 Analyzed: 04/04/2022		
Aluminum	8840	5.76	mg/kg dry	231	8380	199	75-125	High Bias			
Antimony	13.6	2.88	"	28.8	3.54	34.9	75-125	Low Bias			
Arsenic	208	1.73	"	231	ND	90.3	75-125				
Barium	293	2.88	"	231	52.7	104	75-125				
Beryllium	5.16	0.058	"	5.76	ND	89.6	75-125				
Cadmium	5.73	0.346	"	5.76	ND	99.3	75-125				
Calcium	1240	5.76	"	115	963	244	75-125	High Bias			
Chromium	36.3	0.576	"	23.1	13.4	99.5	75-125				
Cobalt	63.8	0.461	"	57.6	6.06	100	75-125				
Copper	51.3	2.31	"	28.8	15.9	123	75-125				
Iron	11000	28.8	"	115	11400	NR	75-125	Low Bias			
Lead	86.5	0.576	"	57.6	19.4	117	75-125				
Magnesium	1800	5.76	"	115	1920	NR	75-125	Low Bias			
Manganese	206	0.576	"	57.6	122	145	75-125	High Bias			
Nickel	60.9	1.15	"	57.6	2.46	101	75-125				
Potassium	828	5.76	"	115	794	30.1	75-125	Low Bias			
Selenium	159	2.88	"	231	ND	68.8	75-125	Low Bias			
Silver	5.74	0.576	"	5.76	ND	99.6	75-125				
Sodium	384	57.6	"	115	254	113	75-125				
Thallium	207	2.88	"	231	ND	89.8	75-125				
Vanadium	74.8	1.15	"	57.6	18.4	97.7	75-125				
Zinc	79.6	2.88	"	57.6	24.9	94.9	75-125				
Post Spike (BD20071-PS1) Post Spike	*Source sample: 22C1763-17 (Post Spike)								Prepared: 04/01/2022 Analyzed: 04/04/2022		
Aluminum	80.8		ug/mL	2.00	72.7	406	75-125	High Bias			
Antimony	0.314		"	0.250	0.031	113	75-125				
Arsenic	2.08		"	2.00	0.005	104	75-125				
Barium	2.82		"	2.00	0.457	118	75-125				
Beryllium	0.050		"	0.0500	-0.005	99.7	75-125				
Cadmium	0.057		"	0.0500	0.0006	113	75-125				
Calcium	10.2		"	1.00	8.35	181	75-125	High Bias			
Chromium	0.348		"	0.200	0.116	116	75-125				
Cobalt	0.624		"	0.500	0.053	114	75-125				
Copper	0.486		"	0.250	0.138	139	75-125	High Bias			
Iron	107		"	1.00	98.9	850	75-125	High Bias			
Lead	0.761		"	0.500	0.168	119	75-125				
Magnesium	19.0		"	1.00	16.7	240	75-125	High Bias			
Manganese	1.71		"	0.500	1.06	130	75-125	High Bias			
Nickel	0.606		"	0.500	0.021	117	75-125				
Potassium	8.57		"	1.00	6.88	168	75-125	High Bias			
Selenium	1.59		"	2.00	-0.150	79.7	75-125				
Silver	0.020		"	0.0500	0.003	33.1	75-125	Low Bias			
Sodium	3.59		"	1.00	2.20	139	75-125	High Bias			
Thallium	2.09		"	2.00	-0.034	104	75-125				
Vanadium	0.746		"	0.500	0.160	117	75-125				
Zinc	0.723		"	0.500	0.216	101	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20071 - EPA 3050B											
Reference (BD20071-SRM1) Reference								Prepared: 04/01/2022 Analyzed: 04/04/2022			
Aluminum	7910	5.00	mg/kg wet	10100		78.3	39.5-118.8				
Antimony	74.0	2.50	"	244		30.3	10-123				
Arsenic	98.1	1.50	"	109		90.0	63.7-118.3				
Barium	360	2.50	"	364		98.8	70.3-117				
Beryllium	54.0	0.050	"	57.0		94.8	69.3-115.4				
Cadmium	45.0	0.300	"	48.7		92.5	67.8-112.9				
Calcium	4830	5.00	"	5190		93.0	66.3-116.6				
Chromium	166	0.500	"	173		95.7	65.3-120.8				
Cobalt	147	0.400	"	148		99.6	70.3-117.6				
Copper	195	2.00	"	179		109	70.9-117.9				
Iron	13200	25.0	"	15000		87.8	36.8-162.7				
Lead	98.4	0.500	"	101		97.4	69.1-126.7				
Magnesium	2250	5.00	"	2570		87.4	56.4-124.9				
Manganese	380	0.500	"	370		103	72.2-119.2				
Nickel	62.0	1.00	"	52.2		119	63.4-117.8	High Bias			
Potassium	1890	5.00	"	2420		78.1	49.6-118.6				
Selenium	66.7	2.50	"	104		64.2	58.5-122.1				
Silver	26.3	0.500	"	29.9		87.8	63.5-123.7				
Sodium	129	50.0	"	161		79.9	30.1-139.1				
Thallium	85.7	2.50	"	101		84.9	59.8-120.8				
Vanadium	179	1.00	"	194		92.1	73.2-117				
Zinc	400	2.50	"	431		92.8	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20124 - EPA 7473 soil												
Blank (BD20124-BLK1)	Blank								Prepared & Analyzed: 04/04/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BD20124-DUP1)	Duplicate	*Source sample: 22C1758-01 (EP57_0.5)							Prepared & Analyzed: 04/04/2022			
Mercury		ND	0.0379	mg/kg dry		ND					35	
Matrix Spike (BD20124-MS1)	Matrix Spike	*Source sample: 22C1758-01 (EP57_0.5)							Prepared & Analyzed: 04/04/2022			
Mercury		0.588		mg/kg	0.500	0.0188	114	75-125				
Reference (BD20124-SRM1)	Reference								Prepared & Analyzed: 04/04/2022			
Mercury		25.674		mg/kg	27.2		94.4	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20021 - Analysis Preparation Soil												
Blank (BD20021-BLK1)	Blank								Prepared & Analyzed: 04/01/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BD20021-DUP1)	Duplicate	*Source sample: 22C1758-02 (EP58_0.5)							Prepared & Analyzed: 04/01/2022			
Cyanide, total		ND	0.570	mg/kg dry		ND					15	
Matrix Spike (BD20021-MS1)	Matrix Spike	*Source sample: 22C1758-02 (EP58_0.5)							Prepared & Analyzed: 04/01/2022			
Cyanide, total		8.19	0.570	mg/kg dry	11.4	ND	71.8	79.6-107	Low Bias			
Reference (BD20021-SRM1)	Reference								Prepared & Analyzed: 04/01/2022			
Cyanide, total		81.4		ug/mL	86.8		93.8	41.82-157.83				
Batch BD20110 - EPA SW846-3060												
Blank (BD20110-BLK1)	Blank								Prepared & Analyzed: 04/04/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BD20110-DUP1)	Duplicate	*Source sample: 22D0058-02 (Duplicate)							Prepared & Analyzed: 04/04/2022			
Chromium, Hexavalent		ND	0.613	mg/kg dry		ND					35	
Matrix Spike (BD20110-MS1)	Matrix Spike	*Source sample: 22D0058-02 (Matrix Spike)							Prepared & Analyzed: 04/04/2022			
Chromium, Hexavalent		18.9	0.613	mg/kg dry	24.5	ND	77.2	75-125				
Reference (BD20110-SRM1)	Reference								Prepared & Analyzed: 04/04/2022			
Chromium, Hexavalent		68.2		mg/L	109		62.6	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20134 - % Solids Prep											
Duplicate (BD20134-DUP1) Duplicate	*Source sample: 22C1758-02 (EP58_0.5)							Prepared & Analyzed: 04/04/2022			
% Solids	88.0	0.100	%		87.6				0.414	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1758-01	EP57_0.5	40mL Vial with Stir Bar-Cool 4° C
22C1758-02	EP58_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C1758

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kimberly Lemon	Contact:	Contact:
E-mail: klemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections)

Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP 57-0.5	S	3/31/22 0815	TAL/Part 375, VOCs, SVOCs, PCBs, Pesticides, herbicides, metals, including cyanide, hexavalent chromium, PFAS, 1-4 - dioxane.	
EP 58-0.5	S	3/31/22 0800		
FB01_PFAS_03312022	other QA	3/31/22 0825	PFAS	

Comments: Please include lesmail@langan.com; maronica@langan.com; for all correspondence.

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[illegible] / Langan	3/31/22	Mark N York Fedex	3/31/22 1455	Mark N York Fedex	3/31/22 1535
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
LB	3/31/22 1535	LB	3/31/22 1942		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				TC Hahn	3/31/22 1942 / 3.4 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 04/29/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1080

Report Date: 04/29/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1080

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 21, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D1080-01	EP60_7.5	Soil	04/21/2022	04/21/2022
22D1080-02	EP61_7.5	Soil	04/21/2022	04/21/2022
22D1080-03	EP69_7.5	Soil	04/21/2022	04/21/2022
22D1080-04	DUP06_04212022	Soil	04/21/2022	04/21/2022
22D1080-05	FB06_04212022	Water	04/21/2022	04/21/2022
22D1080-06	FB01_FPAS_04212022	Water	04/21/2022	04/21/2022
22D1080-07	TB06_04212022	Water	04/21/2022	04/21/2022

General Notes for York Project (SDG) No.: 22D1080

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 04/29/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0052**	J	mg/kg dry	0.0043	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	04/22/2022 06:58	04/22/2022 11:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*125 %*	S-03	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.1 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*		*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.198	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0821**	J	mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.361**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.389**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.297**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.227**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.255**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.318**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0805**	J	mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0987	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.691**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.299**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.336**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.606**		mg/kg dry	0.0495	0.0987	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*33.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*29.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*33.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*37.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*49.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.6 %*	*24-116*

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/22/2022 12:55	04/25/2022 12:51	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.564**		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.32**		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:32	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.2 %*	*25-150*
Surrogate: M5PFHxA	*75.6 %*	*25-150*
Surrogate: M4PFHpA	*82.4 %*	*25-150*
Surrogate: M3PFHxS	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*76.2 %*	*25-150*
Surrogate: M6PFDA	*73.7 %*	*25-150*
Surrogate: M7PFUdA	*67.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.0 %*	*25-150*
Surrogate: M2PFTeDA	*63.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*78.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*76.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*99.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*124 %*	*25-200*
Surrogate: M2-8:2 FTS	*125 %*	*25-200*
Surrogate: M9PFNA	*75.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:06	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:06	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:06	CM

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:06	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.7 %*	*30-150*

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 07:52	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*98.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	04/22/2022 12:52	04/25/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	04/22/2022 12:52	04/25/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	04/22/2022 12:52	04/25/2022 15:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*69.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7080**		mg/kg dry	5.96	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**9.68**		mg/kg dry	1.79	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**224**		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.124**		mg/kg dry	0.060	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**4.32**		mg/kg dry	0.358	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**5700**	B	mg/kg dry	5.96	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**50.0**	B	mg/kg dry	0.596	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.3**		mg/kg dry	0.477	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**141**		mg/kg dry	2.38	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**39900**		mg/kg dry	29.8	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**568**		mg/kg dry	0.596	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7250**		mg/kg dry	5.96	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**342**		mg/kg dry	0.596	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**180**		mg/kg dry	1.19	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1050**		mg/kg dry	5.96	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.742**		mg/kg dry	0.596	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**367**		mg/kg dry	59.6	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	1.19	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**1530**		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:07	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP60_7.5 **York Sample ID:** 22D1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:22 am	04/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**3.23**		mg/kg dry	0.0358	1	EPA 7473	04/25/2022 10:16	04/25/2022 13:49	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.596	1	EPA 7196A	04/22/2022 09:08	04/22/2022 17:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**50.0**		mg/kg	0.500	1	Calculation	04/25/2022 16:26	04/26/2022 12:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.596	1	EPA 9014/9010C	04/22/2022 09:42	04/22/2022 15:54	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.9**		%	0.100	1	SM 2540G	04/22/2022 14:36	04/25/2022 09:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0079**	J	mg/kg dry	0.0044	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0051**	J	mg/kg dry	0.0044	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*123 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.1 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0851**	J	mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.173**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.579**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.679**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.631**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.475**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.527**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.0544**	J	mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.620**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.156**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0986	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.28**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0528**	J	mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.610**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.779**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.11**		mg/kg dry	0.0494	0.0986	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.395	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*39.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*38.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*38.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*65.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.8 %*	*24-116*

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/22/2022 12:55	04/25/2022 13:08	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1.09**		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.85**		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.435**		ug/kg dry	0.289	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:45	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.9 %*	*25-150*
Surrogate: M5PFHxA	*85.3 %*	*25-150*
Surrogate: M4PFHpA	*87.6 %*	*25-150*
Surrogate: M3PFHxS	*94.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*70.7 %*	*25-150*
Surrogate: M6PFDA	*74.7 %*	*25-150*
Surrogate: M7PFUdA	*66.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*67.5 %*	*25-150*
Surrogate: M2PFTeDA	*69.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*84.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*107 %*	*25-150*
Surrogate: M2-6:2 FTS	*197 %*	*25-200*
Surrogate: M2-8:2 FTS	*173 %*	*25-200*
Surrogate: M9PFNA	*73.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/25/2022 10:44	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/25/2022 10:44	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/25/2022 10:44	CM

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B	04/22/2022 07:42	04/25/2022 10:44	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.2 %*	*30-150*

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:05	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0233	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0233	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0233	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:06	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*54.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4640**		mg/kg dry	5.95	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**6.12**		mg/kg dry	1.79	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**196**		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.140**		mg/kg dry	0.060	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.84**		mg/kg dry	0.357	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**7830**	B	mg/kg dry	5.95	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**29.3**	B	mg/kg dry	0.595	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**11.0**		mg/kg dry	0.476	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**74.1**		mg/kg dry	2.38	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15500**		mg/kg dry	29.8	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**832**		mg/kg dry	0.595	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6700**		mg/kg dry	5.95	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**309**		mg/kg dry	0.595	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**139**		mg/kg dry	1.19	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**743**		mg/kg dry	5.95	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.595	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**295**		mg/kg dry	59.5	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**25.5**		mg/kg dry	1.19	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**498**		mg/kg dry	2.98	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:16	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP61_7.5 **York Sample ID:** 22D1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:27 am	04/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**3.03**		mg/kg dry	0.0357	1	EPA 7473	04/25/2022 10:16	04/25/2022 14:04	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.595	1	EPA 7196A	04/22/2022 09:08	04/22/2022 17:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**29.3**		mg/kg	0.500	1	Calculation	04/25/2022 16:26	04/26/2022 12:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.595	1	EPA 9014/9010C	04/22/2022 09:42	04/22/2022 15:54	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.0**		%	0.100	1	SM 2540G	04/22/2022 14:36	04/25/2022 09:07	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0094**	J	mg/kg dry	0.0053	0.011	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	04/22/2022 06:58	04/22/2022 12:43	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*127 %*	S-03	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.3 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*		*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.286**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0850**	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.771**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.33**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.16**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.916**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.670**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1.02**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.0488**	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0732**	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.271**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.31**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.268**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	**Di-n-butyl phthalate**	**0.466**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.85**		mg/kg dry	0.116	0.231	5	EPA 8270D	04/22/2022 07:36	04/25/2022 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.290**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.750**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.84**		mg/kg dry	0.116	0.231	5	EPA 8270D	04/22/2022 07:36	04/25/2022 10:56	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.64**		mg/kg dry	0.0463	0.0925	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*30.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*30.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*60.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*50.3 %*	*24-116*

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/22/2022 12:55	04/25/2022 13:25	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL

Sample Information

Client Sample ID: **EP69_7.5** **York Sample ID:** **22D1080-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.679**		ug/kg dry	0.278	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 00:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*73.4 %*	*25-150*
Surrogate: M5PFHxA	*72.8 %*	*25-150*
Surrogate: M4PFHpA	*93.7 %*	*25-150*
Surrogate: M3PFHxS	*82.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*78.8 %*	*25-150*
Surrogate: M6PFDA	*73.0 %*	*25-150*
Surrogate: M7PFUdA	*64.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*64.8 %*	*25-150*
Surrogate: M2PFTeDA	*61.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*72.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*71.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*82.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*111 %*	*25-200*
Surrogate: M2-8:2 FTS	*93.6 %*	*25-200*
Surrogate: M9PFNA	*70.4 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:23	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:23	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:23	CM

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:23	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.9 %*	*30-150*

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: PCB-Q, PCB-Tot

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0504**		mg/kg dry	0.0185	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:19	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*112 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:17	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*80.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8430**		mg/kg dry	5.65	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**5.69**		mg/kg dry	2.83	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP69_7.5** **York Sample ID:** **22D1080-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.24**		mg/kg dry	1.70	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**122**		mg/kg dry	2.83	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.209**		mg/kg dry	0.057	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**5.75**		mg/kg dry	0.339	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2580**	B	mg/kg dry	5.65	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.3**	B	mg/kg dry	0.565	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.41**		mg/kg dry	0.452	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**43.0**		mg/kg dry	2.26	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15800**		mg/kg dry	28.3	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**120**		mg/kg dry	0.565	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4490**		mg/kg dry	5.65	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**448**		mg/kg dry	0.565	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**34.8**		mg/kg dry	1.13	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1210**		mg/kg dry	5.65	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**218**		mg/kg dry	56.5	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.0**		mg/kg dry	1.13	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**146**		mg/kg dry	2.83	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP69_7.5 **York Sample ID:** 22D1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 9:32 am	04/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.118**		mg/kg dry	0.0339	1	EPA 7473	04/25/2022 10:16	04/25/2022 14:19	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.565	1	EPA 7196A	04/22/2022 09:08	04/22/2022 17:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**24.3**		mg/kg	0.500	1	Calculation	04/25/2022 16:26	04/26/2022 12:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.565	1	EPA 9014/9010C	04/22/2022 09:42	04/22/2022 15:54	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.4**		%	0.100	1	SM 2540G	04/25/2022 08:02	04/25/2022 11:14	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0048**	J	mg/kg dry	0.0046	0.0092	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	04/22/2022 06:58	04/22/2022 13:12	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*130 %*	S-03	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.7 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*		*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.131**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.126**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0960**	J	mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.119**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.106**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.139**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.288**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.106**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.216**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.249**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/22/2022 07:36	04/23/2022 01:40	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*62.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*44.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*61.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*80.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.0 %*	*24-116*

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	04/22/2022 12:55	04/25/2022 13:42	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.537**		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.41**		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	04/22/2022 16:30	04/28/2022 01:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.0 %*	*25-150*
Surrogate: M5PFHxA	*75.7 %*	*25-150*
Surrogate: M4PFHpA	*78.4 %*	*25-150*
Surrogate: M3PFHxS	*85.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*75.2 %*	*25-150*
Surrogate: M6PFDA	*80.2 %*	*25-150*
Surrogate: M7PFUdA	*64.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*63.1 %*	*25-150*
Surrogate: M2PFTeDA	*59.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*74.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*72.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*58.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*74.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*95.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*130 %*	*25-200*
Surrogate: M2-8:2 FTS	*115 %*	*25-200*
Surrogate: M9PFNA	*74.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:40	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:40	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2022 07:42	04/24/2022 11:40	CM

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.196	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0392	5	EPA 8081B	04/22/2022 07:42	04/24/2022 11:40	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.2 %*	*30-150*

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A	04/22/2022 07:42	04/23/2022 08:32	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0241	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0241	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0241	1	EPA 8151A	04/22/2022 12:52	04/25/2022 16:28	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*69.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4890**		mg/kg dry	6.06	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	3.03	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**10.4**		mg/kg dry	1.82	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**269**		mg/kg dry	3.03	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.252**		mg/kg dry	0.061	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.07**		mg/kg dry	0.364	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**6280**	B	mg/kg dry	6.06	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**33.9**	B	mg/kg dry	0.606	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**18.3**		mg/kg dry	0.485	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**94.5**		mg/kg dry	2.42	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17900**		mg/kg dry	30.3	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**714**		mg/kg dry	0.606	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10700**		mg/kg dry	6.06	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**555**		mg/kg dry	0.606	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**206**		mg/kg dry	1.21	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**737**		mg/kg dry	6.06	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.03	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**1.33**		mg/kg dry	0.606	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**273**		mg/kg dry	60.6	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.03	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.7**		mg/kg dry	1.21	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**603**		mg/kg dry	3.03	1	EPA 6010D	04/25/2022 10:31	04/25/2022 18:31	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: DUP06_04212022 **York Sample ID:** 22D1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Soil	April 21, 2022 12:01 am	04/21/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**5.68**		mg/kg dry	0.0364	1	EPA 7473	04/25/2022 10:16	04/25/2022 14:46	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.606	1	EPA 7196A	04/22/2022 09:08	04/22/2022 17:12	JAG
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**33.9**		mg/kg	0.500	1	Calculation	04/25/2022 16:26	04/26/2022 12:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.606	1	EPA 9014/9010C	04/22/2022 09:42	04/22/2022 15:54	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.5**		%	0.100	1	SM 2540G	04/25/2022 08:02	04/25/2022 11:14	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB06_04212022** **York Sample ID:** **22D1080-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**8.21**		ug/L	1.00	2.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:29	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/22/2022 15:23	04/25/2022 13:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*26.1 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*12.5 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.1 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*60.5 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.4 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*72.3 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.768**	B	ug/L	0.526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.0526**		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/22/2022 15:23	04/25/2022 12:35	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	04/22/2022 08:53	04/22/2022 18:33	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*76.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B	04/22/2022 14:38	04/25/2022 08:30	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.9 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A	04/22/2022 14:38	04/24/2022 14:33	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*104 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.5 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	04/25/2022 08:02	04/25/2022 17:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	04/25/2022 08:02	04/25/2022 17:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	04/25/2022 08:02	04/25/2022 17:11	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*72.8 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.135**	B	mg/L	0.0556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**0.0124**		mg/L	0.00556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**0.123**	B	mg/L	0.0556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	04/25/2022 10:36	04/25/2022 17:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.00133**	B	mg/L	0.00111	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	04/25/2022 11:32	04/25/2022 15:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	04/22/2022 16:48	04/22/2022 16:48	AA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB06_04212022 **York Sample ID:** 22D1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:20 am	04/21/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	04/21/2022 21:00	04/21/2022 21:30	LRW
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.0124**		mg/L	0.0100	1	Calculation	04/25/2022 16:30	04/26/2022 12:46	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-201(	04/25/2022 09:05	04/25/2022 14:43	JAG
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_FPAS_04212022** **York Sample ID:** **22D1080-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:10 am	04/21/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 22:14	WL

Sample Information

Client Sample ID: **FB01_FPAS_04212022** **York Sample ID:** **22D1080-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:10 am	04/21/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	04/25/2022 02:51	04/28/2022 22:14	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.8 %*	*25-150*
Surrogate: M5PFHxA	*81.0 %*	*25-150*
Surrogate: M4PFHpA	*99.7 %*	*25-150*
Surrogate: M3PFHxS	*85.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.6 %*	*25-150*
Surrogate: M6PFDA	*92.7 %*	*25-150*
Surrogate: M7PFUdA	*86.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*81.5 %*	*25-150*
Surrogate: M2PFTeDA	*80.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*75.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*82.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*101 %*	*25-150*
Surrogate: M2-6:2 FTS	*86.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*132 %*	*25-200*
Surrogate: M9PFNA	*88.1 %*	*25-150*

Sample Information

Client Sample ID: TB06_04212022 **York Sample ID:** 22D1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:15 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB06_04212022 **York Sample ID:** 22D1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:15 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB06_04212022 **York Sample ID:** 22D1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:15 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB06_04212022 **York Sample ID:** 22D1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1080	170610601	Water	April 21, 2022 10:15 am	04/21/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/25/2022 09:00	04/25/2022 12:02	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Analytical Batch Summary

Batch ID: BD21338 **Preparation Method:** Analysis Preparation **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/21/22
BD21338-BLK1	Blank	04/21/22
BD21338-BS1	LCS	04/21/22
BD21338-DUP1	Duplicate	04/21/22
BD21338-MS1	Matrix Spike	04/21/22

Batch ID: BD21352 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-03RE1	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21352-BLK1	Blank	04/22/22
BD21352-BS1	LCS	04/22/22
BD21352-MS1	Matrix Spike	04/22/22
BD21352-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21354 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21354-BLK1	Blank	04/22/22
BD21354-BLK2	Blank	04/22/22
BD21354-BS1	LCS	04/22/22
BD21354-BS2	LCS	04/22/22

Batch ID: BD21359 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/22/22
BD21359-BLK1	Blank	04/22/22
BD21359-BS1	LCS	04/22/22
BD21359-MS1	Matrix Spike	04/22/22
BD21359-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21363 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21363-BLK1	Blank	04/22/22
BD21363-DUP1	Duplicate	04/22/22
BD21363-MS1	Matrix Spike	04/22/22
BD21363-SRM1	Reference	04/22/22

Batch ID: BD21365 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21365-BLK1	Blank	04/22/22
BD21365-DUP1	Duplicate	04/22/22
BD21365-MS1	Matrix Spike	04/22/22
BD21365-SRM1	Reference	04/22/22

Batch ID: BD21383 **Preparation Method:** EPA 3550C/8151A **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21383-BLK1	Blank	04/22/22
BD21383-BS1	LCS	04/22/22
BD21383-MS1	Matrix Spike	04/22/22
BD21383-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21384 **Preparation Method:** EPA 3550C **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21384-BLK1	Blank	04/22/22
BD21384-BS1	LCS	04/22/22
BD21384-MS1	Matrix Spike	04/22/22
BD21384-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21395 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** SMA

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/22/22
22D1080-05	FB06_04212022	04/22/22
BD21395-BLK1	Blank	04/22/22
BD21395-BLK2	Blank	04/22/22
BD21395-BS1	LCS	04/22/22
BD21395-BS2	LCS	04/22/22
BD21395-BSD1	LCS Dup	04/22/22
BD21395-BSD2	LCS Dup	04/22/22

Batch ID: BD21396 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
BD21396-DUP1	Duplicate	04/22/22

Batch ID: BD21404 **Preparation Method:** EPA 3510C **Prepared By:** JG

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/22/22
BD21404-BLK1	Blank	04/22/22
BD21404-BLK2	Blank	04/22/22
BD21404-BS1	LCS	04/22/22
BD21404-BS2	LCS	04/22/22
BD21404-BSD1	LCS Dup	04/22/22

Batch ID: BD21409 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21409-BLK1	Blank	04/22/22
BD21409-BS1	LCS	04/22/22
BD21409-MS1	Matrix Spike	04/22/22
BD21409-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21412 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/22/22
BD21412-BLK1	Blank	04/22/22
BD21412-BS1	LCS	04/22/22

BD21412-DUP1	Duplicate	04/22/22
BD21412-MS1	Matrix Spike	04/22/22

Batch ID: BD21431 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/22/22
22D1080-02	EP61_7.5	04/22/22
22D1080-03	EP69_7.5	04/22/22
22D1080-04	DUP06_04212022	04/22/22
BD21431-BLK1	Blank	04/22/22
BD21431-BLK2	Blank	04/22/22
BD21431-BLK3	Blank	04/22/22
BD21431-BS1	LCS	04/22/22
BD21431-BSD1	LCS Dup	04/22/22
BD21431-MS1	Matrix Spike	04/22/22
BD21431-MSD1	Matrix Spike Dup	04/22/22

Batch ID: BD21435 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22
BD21435-BLK1	Blank	04/25/22
BD21435-BS1	LCS	04/25/22
BD21435-MS1	Matrix Spike	04/25/22
BD21435-MSD1	Matrix Spike Dup	04/25/22

Batch ID: BD21436 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-03	EP69_7.5	04/25/22
22D1080-04	DUP06_04212022	04/25/22
BD21436-DUP1	Duplicate	04/25/22

Batch ID: BD21444 **Preparation Method:** Analysis Preparation **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22
BD21444-BLK1	Blank	04/25/22
BD21444-BS1	LCS	04/25/22
BD21444-DUP1	Duplicate	04/25/22
BD21444-MS1	Matrix Spike	04/25/22

Batch ID: BD21449 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22
22D1080-07	TB06_04212022	04/25/22

BD21449-BLK1	Blank	04/25/22
BD21449-BS1	LCS	04/25/22
BD21449-BSD1	LCS Dup	04/25/22

Batch ID: BD21451 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/25/22
22D1080-02	EP61_7.5	04/25/22
22D1080-03	EP69_7.5	04/25/22
22D1080-04	DUP06_04212022	04/25/22
BD21451-BLK1	Blank	04/25/22
BD21451-DUP1	Duplicate	04/25/22
BD21451-MS1	Matrix Spike	04/25/22
BD21451-SRM1	Reference	04/25/22

Batch ID: BD21455 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/25/22
22D1080-02	EP61_7.5	04/25/22
22D1080-03	EP69_7.5	04/25/22
22D1080-04	DUP06_04212022	04/25/22
BD21455-BLK1	Blank	04/25/22
BD21455-DUP1	Duplicate	04/25/22
BD21455-MS1	Matrix Spike	04/25/22
BD21455-PS1	Post Spike	04/25/22
BD21455-SRM1	Reference	04/25/22

Batch ID: BD21456 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22
BD21456-BLK1	Blank	04/25/22
BD21456-BS1	LCS	04/25/22
BD21456-DUP1	Duplicate	04/25/22
BD21456-MS1	Matrix Spike	04/25/22
BD21456-PS1	Post Spike	04/25/22

Batch ID: BD21464 **Preparation Method:** EPA 3015A **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22
BD21464-BLK1	Blank	04/25/22
BD21464-BS1	LCS	04/25/22
BD21464-DUP1	Duplicate	04/25/22
BD21464-MS1	Matrix Spike	04/25/22

Batch ID: BD21502 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-01	EP60_7.5	04/25/22
22D1080-02	EP61_7.5	04/25/22
22D1080-03	EP69_7.5	04/25/22
22D1080-04	DUP06_04212022	04/25/22

Batch ID: BD21504 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-05	FB06_04212022	04/25/22

Batch ID: BD21542 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D1080-06	FB01_FPAS_04212022	04/25/22
BD21542-BLK1	Blank	04/25/22
BD21542-BS1	LCS	04/25/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Blank (BD21431-BLK1) Blank									Prepared & Analyzed: 04/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Blank (BD21431-BLK1) Blank									Prepared & Analyzed: 04/22/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*56.8*		*ug/L*	*50.0*		*114*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				
Blank (BD21431-BLK2) Blank									Prepared & Analyzed: 04/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Blank (BD21431-BLK2) Blank									Prepared & Analyzed: 04/22/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*57.6*		*ug/L*	*50.0*		*115*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Blank (BD21431-BLK3) Blank									Prepared & Analyzed: 04/22/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Blank (BD21431-BLK3) Blank								Prepared & Analyzed: 04/22/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.5*		*ug/L*	*50.0*		*117*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				
LCS (BD21431-BS1) LCS								Prepared & Analyzed: 04/22/2022			
1,1,1,2-Tetrachloroethane	60.4		ug/L	50.0		121	75-129				
1,1,1-Trichloroethane	63.0		"	50.0		126	71-137				
1,1,2,2-Tetrachloroethane	51.6		"	50.0		103	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.1		"	50.0		124	58-146				
1,1,2-Trichloroethane	52.9		"	50.0		106	83-123				
1,1-Dichloroethane	51.2		"	50.0		102	75-130				
1,1-Dichloroethylene	55.9		"	50.0		112	64-137				
1,2,3-Trichlorobenzene	54.0		"	50.0		108	81-140				
1,2,3-Trichloropropane	58.2		"	50.0		116	81-126				
1,2,4-Trichlorobenzene	54.6		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	53.7		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	64.5		"	50.0		129	74-142				
1,2-Dibromoethane	56.4		"	50.0		113	86-123				
1,2-Dichlorobenzene	52.5		"	50.0		105	85-122				
1,2-Dichloroethane	59.9		"	50.0		120	71-133				
1,2-Dichloropropane	50.4		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	52.8		"	50.0		106	82-126				
1,3-Dichlorobenzene	52.8		"	50.0		106	84-124				
1,4-Dichlorobenzene	53.2		"	50.0		106	84-124				
1,4-Dioxane	1100		"	1050		105	10-228				
2-Butanone	49.4		"	50.0		98.8	58-147				
2-Hexanone	49.7		"	50.0		99.4	70-139				
4-Methyl-2-pentanone	49.2		"	50.0		98.3	72-132				
Acetone	41.8		"	50.0		83.5	36-155				
Acrolein	31.8		"	50.0		63.5	10-238				
Acrylonitrile	50.2		"	50.0		100	66-141				
Benzene	48.9		"	50.0		97.9	77-127				
Bromochloromethane	50.4		"	50.0		101	74-129				
Bromodichloromethane	62.1		"	50.0		124	81-124				
Bromoform	63.3		"	50.0		127	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
LCS (BD21431-BS1) LCS							Prepared & Analyzed: 04/22/2022				
Bromomethane	58.6		ug/L	50.0		117	32-177				
Carbon disulfide	46.5		"	50.0		93.0	10-136				
Carbon tetrachloride	67.9		"	50.0		136	66-143				
Chlorobenzene	55.1		"	50.0		110	86-120				
Chloroethane	64.1		"	50.0		128	51-142				
Chloroform	57.9		"	50.0		116	76-131				
Chloromethane	41.9		"	50.0		83.7	49-132				
cis-1,2-Dichloroethylene	52.6		"	50.0		105	74-132				
cis-1,3-Dichloropropylene	56.9		"	50.0		114	81-129				
Cyclohexane	42.9		"	50.0		85.8	70-130				
Dibromochloromethane	62.3		"	50.0		125	10-200				
Dibromomethane	55.7		"	50.0		111	83-124				
Dichlorodifluoromethane	46.7		"	50.0		93.5	28-158				
Ethyl Benzene	54.0		"	50.0		108	84-125				
Hexachlorobutadiene	60.2		"	50.0		120	83-133				
Isopropylbenzene	54.6		"	50.0		109	81-127				
Methyl acetate	42.7		"	50.0		85.4	41-143				
Methyl tert-butyl ether (MTBE)	52.4		"	50.0		105	74-131				
Methylcyclohexane	48.0		"	50.0		95.9	70-130				
Methylene chloride	48.2		"	50.0		96.4	57-141				
n-Butylbenzene	50.7		"	50.0		101	80-130				
n-Propylbenzene	52.2		"	50.0		104	74-136				
o-Xylene	56.1		"	50.0		112	83-123				
p- & m- Xylenes	110		"	100		110	82-128				
p-Isopropyltoluene	54.6		"	50.0		109	85-125				
sec-Butylbenzene	52.7		"	50.0		105	83-125				
Styrene	51.0		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	239		"	250		95.6	70-130				
tert-Butylbenzene	54.4		"	50.0		109	80-127				
Tetrachloroethylene	49.6		"	50.0		99.2	80-129				
Toluene	51.1		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	62.0		"	50.0		124	78-132				
Trichloroethylene	55.1		"	50.0		110	84-123				
Trichlorofluoromethane	69.4		"	50.0		139	62-140				
Vinyl Chloride	51.2		"	50.0		102	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*57.5*		*"*	*50.0*		*115*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.3*		*"*	*50.0*		*98.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
LCS Dup (BD21431-BSD1) LCS Dup							Prepared & Analyzed: 04/22/2022				
1,1,1,2-Tetrachloroethane	57.3		ug/L	50.0		115	75-129		5.15	30	
1,1,1-Trichloroethane	58.1		"	50.0		116	71-137		8.06	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.7	79-129		8.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.4		"	50.0		111	58-146		11.4	30	
1,1,2-Trichloroethane	50.3		"	50.0		101	83-123		4.96	30	
1,1-Dichloroethane	47.7		"	50.0		95.4	75-130		7.12	30	
1,1-Dichloroethylene	50.1		"	50.0		100	64-137		11.0	30	
1,2,3-Trichlorobenzene	51.8		"	50.0		104	81-140		4.12	30	
1,2,3-Trichloropropane	53.2		"	50.0		106	81-126		8.87	30	
1,2,4-Trichlorobenzene	51.8		"	50.0		104	80-141		5.38	30	
1,2,4-Trimethylbenzene	48.7		"	50.0		97.4	84-125		9.84	30	
1,2-Dibromo-3-chloropropane	58.8		"	50.0		118	74-142		9.27	30	
1,2-Dibromoethane	55.3		"	50.0		111	86-123		2.02	30	
1,2-Dichlorobenzene	49.5		"	50.0		99.0	85-122		5.82	30	
1,2-Dichloroethane	57.7		"	50.0		115	71-133		3.61	30	
1,2-Dichloropropane	47.9		"	50.0		95.8	81-122		5.02	30	
1,3,5-Trimethylbenzene	47.7		"	50.0		95.4	82-126		10.2	30	
1,3-Dichlorobenzene	48.0		"	50.0		95.9	84-124		9.57	30	
1,4-Dichlorobenzene	48.6		"	50.0		97.2	84-124		8.96	30	
1,4-Dioxane	1060		"	1050		101	10-228		3.43	30	
2-Butanone	48.8		"	50.0		97.5	58-147		1.34	30	
2-Hexanone	47.4		"	50.0		94.7	70-139		4.82	30	
4-Methyl-2-pentanone	47.5		"	50.0		94.9	72-132		3.50	30	
Acetone	37.0		"	50.0		74.0	36-155		12.0	30	
Acrolein	30.3		"	50.0		60.5	10-238		4.84	30	
Acrylonitrile	44.9		"	50.0		89.8	66-141		11.0	30	
Benzene	45.9		"	50.0		91.8	77-127		6.39	30	
Bromochloromethane	47.2		"	50.0		94.5	74-129		6.55	30	
Bromodichloromethane	58.9		"	50.0		118	81-124		5.29	30	
Bromoform	61.1		"	50.0		122	80-136		3.52	30	
Bromomethane	60.6		"	50.0		121	32-177		3.37	30	
Carbon disulfide	43.1		"	50.0		86.2	10-136		7.61	30	
Carbon tetrachloride	62.7		"	50.0		125	66-143		7.99	30	
Chlorobenzene	51.2		"	50.0		102	86-120		7.33	30	
Chloroethane	58.6		"	50.0		117	51-142		8.87	30	
Chloroform	54.4		"	50.0		109	76-131		6.26	30	
Chloromethane	37.8		"	50.0		75.7	49-132		10.1	30	
cis-1,2-Dichloroethylene	48.8		"	50.0		97.5	74-132		7.54	30	
cis-1,3-Dichloropropylene	54.2		"	50.0		108	81-129		4.84	30	
Cyclohexane	39.6		"	50.0		79.1	70-130		8.15	30	
Dibromochloromethane	60.6		"	50.0		121	10-200		2.75	30	
Dibromomethane	52.2		"	50.0		104	83-124		6.58	30	
Dichlorodifluoromethane	41.8		"	50.0		83.6	28-158		11.2	30	
Ethyl Benzene	49.6		"	50.0		99.2	84-125		8.55	30	
Hexachlorobutadiene	54.4		"	50.0		109	83-133		10.1	30	
Isopropylbenzene	48.8		"	50.0		97.5	81-127		11.2	30	
Methyl acetate	40.6		"	50.0		81.2	41-143		5.07	30	
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	74-131		1.31	30	
Methylcyclohexane	43.4		"	50.0		86.8	70-130		10.0	30	
Methylene chloride	45.3		"	50.0		90.5	57-141		6.29	30	
n-Butylbenzene	47.6		"	50.0		95.3	80-130		6.22	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
LCS Dup (BD21431-BSD1) LCS Dup									Prepared & Analyzed: 04/22/2022		
n-Propylbenzene	46.3		ug/L	50.0		92.7	74-136		11.8	30	
o-Xylene	51.9		"	50.0		104	83-123		7.81	30	
p- & m- Xylenes	102		"	100		102	82-128		7.83	30	
p-Isopropyltoluene	48.9		"	50.0		97.7	85-125		11.1	30	
sec-Butylbenzene	46.3		"	50.0		92.6	83-125		12.9	30	
Styrene	47.9		"	50.0		95.8	86-126		6.33	30	
tert-Butyl alcohol (TBA)	225		"	250		90.2	70-130		5.80	30	
tert-Butylbenzene	48.8		"	50.0		97.6	80-127		10.9	30	
Tetrachloroethylene	45.8		"	50.0		91.6	80-129		7.96	30	
Toluene	47.0		"	50.0		93.9	85-121		8.48	30	
trans-1,2-Dichloroethylene	47.1		"	50.0		94.3	72-132		9.50	30	
trans-1,3-Dichloropropylene	59.7		"	50.0		119	78-132		3.73	30	
Trichloroethylene	49.8		"	50.0		99.7	84-123		10.0	30	
Trichlorofluoromethane	61.7		"	50.0		123	62-140		11.7	30	
Vinyl Chloride	45.9		"	50.0		91.8	52-130		11.0	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*58.0*		*"*	*50.0*		*116*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.0*		*"*	*50.0*		*98.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*76-130*				
Matrix Spike (BD21431-MS1) Matrix Spike *Source sample: 22D1080-03 (EP69_7.5)									Prepared & Analyzed: 04/22/2022		
1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0	0.00	97.4	15-161				
1,1,1-Trichloroethane	48.8		"	50.0	0.00	97.7	42-145				
1,1,2,2-Tetrachloroethane	39.9		"	50.0	0.00	79.9	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.7		"	50.0	0.00	101	11-160				
1,1,2-Trichloroethane	44.0		"	50.0	0.00	87.9	44-145				
1,1-Dichloroethane	39.5		"	50.0	0.00	78.9	46-142				
1,1-Dichloroethylene	44.2		"	50.0	0.00	88.4	30-153				
1,2,3-Trichlorobenzene	29.3		"	50.0	0.00	58.7	10-157				
1,2,3-Trichloropropane	45.2		"	50.0	0.00	90.4	38-155				
1,2,4-Trichlorobenzene	27.5		"	50.0	0.00	55.0	10-151				
1,2,4-Trimethylbenzene	36.8		"	50.0	0.00	73.7	10-170				
1,2-Dibromo-3-chloropropane	45.9		"	50.0	0.00	91.8	36-138				
1,2-Dibromoethane	45.1		"	50.0	0.00	90.1	40-142				
1,2-Dichlorobenzene	34.8		"	50.0	0.00	69.6	10-147				
1,2-Dichloroethane	54.3		"	50.0	0.00	109	48-133				
1,2-Dichloropropane	39.8		"	50.0	0.00	79.7	47-141				
1,3,5-Trimethylbenzene	36.4		"	50.0	0.00	72.8	10-150				
1,3-Dichlorobenzene	32.6		"	50.0	0.00	65.3	10-144				
1,4-Dichlorobenzene	32.6		"	50.0	0.00	65.3	10-160				
1,4-Dioxane	1010		"	1050	0.00	96.1	10-191				
2-Butanone	39.3		"	50.0	0.00	78.7	10-189				
2-Hexanone	39.8		"	50.0	0.00	79.6	10-181				
4-Methyl-2-pentanone	41.2		"	50.0	0.00	82.4	10-166				
Acetone	42.0		"	50.0	8.31	67.4	10-196				
Acrolein	11.6		"	50.0	0.00	23.2	10-192				
Acrylonitrile	37.5		"	50.0	0.00	75.0	13-161				
Benzene	37.4		"	50.0	0.00	74.8	43-139				
Bromochloromethane	40.7		"	50.0	0.00	81.4	38-145				
Bromodichloromethane	50.1		"	50.0	0.00	100	38-147				
Bromoform	51.4		"	50.0	0.00	103	29-156				
Bromomethane	55.2		"	50.0	0.00	110	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Matrix Spike (BD21431-MS1) Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
Carbon disulfide	29.5		ug/L	50.0	0.00	58.9	10-131				
Carbon tetrachloride	52.4		"	50.0	0.00	105	35-145				
Chlorobenzene	39.6		"	50.0	0.00	79.1	21-154				
Chloroethane	51.3		"	50.0	0.00	103	15-160				
Chloroform	46.8		"	50.0	0.00	93.7	47-142				
Chloromethane	30.0		"	50.0	0.00	59.9	10-159				
cis-1,2-Dichloroethylene	40.2		"	50.0	0.00	80.5	42-144				
cis-1,3-Dichloropropylene	42.9		"	50.0	0.00	85.9	18-159				
Cyclohexane	31.4		"	50.0	0.00	62.7	70-130	Low Bias			
Dibromochloromethane	50.7		"	50.0	0.00	101	10-179				
Dibromomethane	44.9		"	50.0	0.00	89.8	47-143				
Dichlorodifluoromethane	35.2		"	50.0	0.00	70.5	10-145				
Ethyl Benzene	39.2		"	50.0	0.00	78.3	11-158				
Hexachlorobutadiene	31.8		"	50.0	0.00	63.7	10-158				
Isopropylbenzene	37.1		"	50.0	0.00	74.1	10-162				
Methyl acetate	41.3		"	50.0	0.00	82.7	10-149				
Methyl tert-butyl ether (MTBE)	47.4		"	50.0	0.00	94.9	42-152				
Methylcyclohexane	33.0		"	50.0	0.00	65.9	70-130	Low Bias			
Methylene chloride	41.0		"	50.0	3.20	75.5	28-151				
n-Butylbenzene	31.7		"	50.0	0.00	63.4	10-162				
n-Propylbenzene	34.6		"	50.0	0.00	69.1	10-155				
o-Xylene	42.0		"	50.0	0.00	83.9	10-158				
p- & m- Xylenes	80.4		"	100	0.00	80.4	10-156				
p-Isopropyltoluene	35.4		"	50.0	0.00	70.9	10-147				
sec-Butylbenzene	34.3		"	50.0	0.00	68.7	10-157				
Styrene	35.3		"	50.0	0.00	70.6	13-171				
tert-Butyl alcohol (TBA)	217		"	250	0.00	86.9	34-179				
tert-Butylbenzene	37.6		"	50.0	0.00	75.2	10-160				
Tetrachloroethylene	35.4		"	50.0	0.00	70.7	30-167				
Toluene	37.6		"	50.0	0.00	75.2	21-160				
trans-1,2-Dichloroethylene	37.4		"	50.0	0.00	74.8	29-153				
trans-1,3-Dichloropropylene	45.3		"	50.0	0.00	90.6	18-155				
Trichloroethylene	40.7		"	50.0	0.00	81.5	24-169				
Trichlorofluoromethane	58.3		"	50.0	0.00	117	35-142				
Vinyl Chloride	38.5		"	50.0	0.00	76.9	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*64.0*		*"*	*50.0*		*128*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD21431 - EPA 5035A

Matrix Spike Dup (BD21431-M Matrix Spike Dup Source sample: 22D1080-03 (EP69_7.5) Prepared & Analyzed: 04/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0	0.00	93.2	15-161		4.37	33	
1,1,1-Trichloroethane	47.7		"	50.0	0.00	95.4	42-145		2.38	30	
1,1,2,2-Tetrachloroethane	37.2		"	50.0	0.00	74.3	16-167		7.19	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.9		"	50.0	0.00	91.9	11-160		9.81	31	
1,1,2-Trichloroethane	42.7		"	50.0	0.00	85.3	44-145		2.98	40	
1,1-Dichloroethane	39.5		"	50.0	0.00	79.0	46-142		0.0253	36	
1,1-Dichloroethylene	41.7		"	50.0	0.00	83.4	30-153		5.87	31	
1,2,3-Trichlorobenzene	21.3		"	50.0	0.00	42.6	10-157		31.7	47	
1,2,3-Trichloropropane	42.9		"	50.0	0.00	85.9	38-155		5.15	48	
1,2,4-Trichlorobenzene	19.9		"	50.0	0.00	39.7	10-151		32.2	52	
1,2,4-Trimethylbenzene	30.7		"	50.0	0.00	61.4	10-170		18.2	242	
1,2-Dibromo-3-chloropropane	43.7		"	50.0	0.00	87.5	36-138		4.84	54	
1,2-Dibromoethane	44.1		"	50.0	0.00	88.3	40-142		2.11	39	
1,2-Dichlorobenzene	29.2		"	50.0	0.00	58.4	10-147		17.6	52	
1,2-Dichloroethane	51.3		"	50.0	0.00	103	48-133		5.77	32	
1,2-Dichloropropane	38.1		"	50.0	0.00	76.2	47-141		4.44	37	
1,3,5-Trimethylbenzene	30.8		"	50.0	0.00	61.6	10-150		16.8	62	
1,3-Dichlorobenzene	26.5		"	50.0	0.00	53.0	10-144		20.7	51	
1,4-Dichlorobenzene	26.3		"	50.0	0.00	52.6	10-160		21.4	52	
1,4-Dioxane	859		"	1050	0.00	81.8	10-191		16.1	196	
2-Butanone	39.9		"	50.0	0.00	79.8	10-189		1.41	67	
2-Hexanone	37.5		"	50.0	0.00	75.0	10-181		5.97	60	
4-Methyl-2-pentanone	39.6		"	50.0	0.00	79.2	10-166		3.91	47	
Acetone	31.1		"	50.0	8.31	45.5	10-196		29.9	150	
Acrolein	13.1		"	50.0	0.00	26.1	10-192		11.8	128	
Acrylonitrile	35.3		"	50.0	0.00	70.5	13-161		6.16	48	
Benzene	35.2		"	50.0	0.00	70.3	43-139		6.15	64	
Bromochloromethane	39.6		"	50.0	0.00	79.1	38-145		2.92	30	
Bromodichloromethane	48.4		"	50.0	0.00	96.9	38-147		3.41	37	
Bromoform	49.7		"	50.0	0.00	99.4	29-156		3.28	51	
Bromomethane	53.7		"	50.0	0.00	107	10-166		2.87	42	
Carbon disulfide	27.0		"	50.0	0.00	54.1	10-131		8.56	36	
Carbon tetrachloride	49.1		"	50.0	0.00	98.1	35-145		6.55	31	
Chlorobenzene	35.3		"	50.0	0.00	70.7	21-154		11.3	32	
Chloroethane	49.6		"	50.0	0.00	99.1	15-160		3.53	40	
Chloroform	45.6		"	50.0	0.00	91.2	47-142		2.68	29	
Chloromethane	30.4		"	50.0	0.00	60.8	10-159		1.49	31	
cis-1,2-Dichloroethylene	39.0		"	50.0	0.00	78.1	42-144		3.00	30	
cis-1,3-Dichloropropylene	41.1		"	50.0	0.00	82.2	18-159		4.35	39	
Cyclohexane	28.3		"	50.0	0.00	56.7	70-130	Low Bias	10.2	30	
Dibromochloromethane	50.0		"	50.0	0.00	99.9	10-179		1.39	41	
Dibromomethane	43.4		"	50.0	0.00	86.9	47-143		3.28	41	
Dichlorodifluoromethane	34.1		"	50.0	0.00	68.2	10-145		3.32	34	
Ethyl Benzene	35.1		"	50.0	0.00	70.1	11-158		11.1	42	
Hexachlorobutadiene	17.4		"	50.0	0.00	34.8	10-158		58.6	45	Non-dir.
Isopropylbenzene	32.1		"	50.0	0.00	64.2	10-162		14.3	57	
Methyl acetate	39.0		"	50.0	0.00	78.0	10-149		5.77	64	
Methyl tert-butyl ether (MTBE)	46.2		"	50.0	0.00	92.3	42-152		2.78	47	
Methylcyclohexane	26.2		"	50.0	0.00	52.3	70-130	Low Bias	23.1	30	
Methylene chloride	43.2		"	50.0	3.20	80.0	28-151		5.30	49	
n-Butylbenzene	22.5		"	50.0	0.00	44.9	10-162		34.1	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21431 - EPA 5035A											
Matrix Spike Dup (BD21431-M Matrix Spike Dup	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
n-Propylbenzene	28.3		ug/L	50.0	0.00	56.6	10-155		20.0	56	
o-Xylene	37.6		"	50.0	0.00	75.2	10-158		10.9	51	
p- & m- Xylenes	71.0		"	100	0.00	71.0	10-156		12.4	47	
p-Isopropyltoluene	27.4		"	50.0	0.00	54.8	10-147		25.6	60	
sec-Butylbenzene	26.5		"	50.0	0.00	53.0	10-157		25.8	56	
Styrene	31.0		"	50.0	0.00	62.1	13-171		12.8	39	
tert-Butyl alcohol (TBA)	210		"	250	0.00	84.2	34-179		3.14	35	
tert-Butylbenzene	31.0		"	50.0	0.00	62.1	10-160		19.0	79	
Tetrachloroethylene	31.8		"	50.0	0.00	63.6	30-167		10.6	33	
Toluene	34.4		"	50.0	0.00	68.8	21-160		8.92	50	
trans-1,2-Dichloroethylene	35.8		"	50.0	0.00	71.6	29-153		4.26	30	
trans-1,3-Dichloropropylene	44.5		"	50.0	0.00	89.0	18-155		1.83	30	
Trichloroethylene	37.4		"	50.0	0.00	74.8	24-169		8.58	30	
Trichlorofluoromethane	54.2		"	50.0	0.00	108	35-142		7.38	30	
Vinyl Chloride	39.0		"	50.0	0.00	78.0	12-160		1.37	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*63.7*		*"*	*50.0*		*127*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				
Batch BD21449 - EPA 5030B											
Blank (BD21449-BLK1) Blank								Prepared & Analyzed: 04/25/2022			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21449 - EPA 5030B											
Blank (BD21449-BLK1) Blank									Prepared & Analyzed: 04/25/2022		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21449 - EPA 5030B											
LCS (BD21449-BS1) LCS							Prepared & Analyzed: 04/25/2022				
1,1,1,2-Tetrachloroethane	8.75		ug/L	10.0		87.5	82-126				
1,1,1-Trichloroethane	9.14		"	10.0		91.4	78-136				
1,1,2,2-Tetrachloroethane	8.47		"	10.0		84.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.19		"	10.0		91.9	54-165				
1,1,2-Trichloroethane	8.27		"	10.0		82.7	82-123				
1,1-Dichloroethane	8.76		"	10.0		87.6	82-129				
1,1-Dichloroethylene	9.15		"	10.0		91.5	68-138				
1,2,3-Trichlorobenzene	7.42		"	10.0		74.2	76-136	Low Bias			
1,2,3-Trichloropropane	9.23		"	10.0		92.3	77-128				
1,2,4-Trichlorobenzene	8.15		"	10.0		81.5	76-137				
1,2,4-Trimethylbenzene	9.87		"	10.0		98.7	82-132				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147				
1,2-Dibromoethane	7.99		"	10.0		79.9	83-124	Low Bias			
1,2-Dichlorobenzene	8.83		"	10.0		88.3	79-123				
1,2-Dichloroethane	8.07		"	10.0		80.7	73-132				
1,2-Dichloropropane	8.95		"	10.0		89.5	78-126				
1,3,5-Trimethylbenzene	9.51		"	10.0		95.1	80-131				
1,3-Dichlorobenzene	9.14		"	10.0		91.4	86-122				
1,4-Dichlorobenzene	9.08		"	10.0		90.8	85-124				
1,4-Dioxane	96.8		"	210		46.1	10-349				
2-Butanone	7.87		"	10.0		78.7	49-152				
2-Hexanone	7.69		"	10.0		76.9	51-146				
4-Methyl-2-pentanone	7.00		"	10.0		70.0	57-145				
Acetone	5.17		"	10.0		51.7	14-150				
Acrolein	5.05		"	100		5.05	10-153	Low Bias			
Acrylonitrile	8.95		"	10.0		89.5	51-150				
Benzene	8.93		"	10.0		89.3	85-126				
Bromochloromethane	8.40		"	10.0		84.0	77-128				
Bromodichloromethane	8.47		"	10.0		84.7	79-128				
Bromoform	8.55		"	10.0		85.5	78-133				
Bromomethane	8.33		"	10.0		83.3	43-168				
Carbon disulfide	9.24		"	10.0		92.4	68-146				
Carbon tetrachloride	9.31		"	10.0		93.1	77-141				
Chlorobenzene	9.30		"	10.0		93.0	88-120				
Chloroethane	9.43		"	10.0		94.3	65-136				
Chloroform	8.88		"	10.0		88.8	82-128				
Chloromethane	8.39		"	10.0		83.9	43-155				
cis-1,2-Dichloroethylene	8.85		"	10.0		88.5	83-129				
cis-1,3-Dichloropropylene	8.96		"	10.0		89.6	80-131				
Cyclohexane	10.3		"	10.0		103	63-149				
Dibromochloromethane	8.34		"	10.0		83.4	80-130				
Dibromomethane	8.34		"	10.0		83.4	72-134				
Dichlorodifluoromethane	7.37		"	10.0		73.7	44-144				
Ethyl Benzene	9.06		"	10.0		90.6	80-131				
Hexachlorobutadiene	8.80		"	10.0		88.0	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	8.33		"	10.0		83.3	51-139				
Methyl tert-butyl ether (MTBE)	8.05		"	10.0		80.5	76-135				
Methylcyclohexane	9.56		"	10.0		95.6	72-143				
Methylene chloride	9.50		"	10.0		95.0	55-137				
n-Butylbenzene	9.40		"	10.0		94.0	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21449 - EPA 5030B											
LCS (BD21449-BS1) LCS								Prepared & Analyzed: 04/25/2022			
n-Propylbenzene	9.65		ug/L	10.0		96.5	78-133				
o-Xylene	9.13		"	10.0		91.3	78-130				
p- & m- Xylenes	18.4		"	20.0		91.9	77-133				
p-Isopropyltoluene	9.43		"	10.0		94.3	81-136				
sec-Butylbenzene	9.50		"	10.0		95.0	79-137				
Styrene	8.58		"	10.0		85.8	67-132				
tert-Butyl alcohol (TBA)	39.9		"	50.0		79.8	25-162				
tert-Butylbenzene	8.71		"	10.0		87.1	77-138				
Tetrachloroethylene	7.46		"	10.0		74.6	82-131	Low Bias			
Toluene	9.03		"	10.0		90.3	80-127				
trans-1,2-Dichloroethylene	8.90		"	10.0		89.0	80-132				
trans-1,3-Dichloropropylene	8.57		"	10.0		85.7	78-131				
Trichloroethylene	9.01		"	10.0		90.1	82-128				
Trichlorofluoromethane	9.32		"	10.0		93.2	67-139				
Vinyl Chloride	8.73		"	10.0		87.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.21*		*"*	*10.0*		*92.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
LCS Dup (BD21449-BSD1) LCS Dup								Prepared & Analyzed: 04/25/2022			
1,1,1,2-Tetrachloroethane	8.84		ug/L	10.0		88.4	82-126		1.02	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		2.32	30	
1,1,2,2-Tetrachloroethane	9.15		"	10.0		91.5	76-129		7.72	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	54-165		0.543	30	
1,1,2-Trichloroethane	9.12		"	10.0		91.2	82-123		9.78	30	
1,1-Dichloroethane	8.53		"	10.0		85.3	82-129		2.66	30	
1,1-Dichloroethylene	8.79		"	10.0		87.9	68-138		4.01	30	
1,2,3-Trichlorobenzene	9.03		"	10.0		90.3	76-136		19.6	30	
1,2,3-Trichloropropane	9.89		"	10.0		98.9	77-128		6.90	30	
1,2,4-Trichlorobenzene	9.10		"	10.0		91.0	76-137		11.0	30	
1,2,4-Trimethylbenzene	9.39		"	10.0		93.9	82-132		4.98	30	
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	45-147		12.3	30	
1,2-Dibromoethane	9.07		"	10.0		90.7	83-124		12.7	30	
1,2-Dichlorobenzene	8.98		"	10.0		89.8	79-123		1.68	30	
1,2-Dichloroethane	8.77		"	10.0		87.7	73-132		8.31	30	
1,2-Dichloropropane	8.95		"	10.0		89.5	78-126		0.00	30	
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	80-131		5.73	30	
1,3-Dichlorobenzene	8.86		"	10.0		88.6	86-122		3.11	30	
1,4-Dichlorobenzene	9.03		"	10.0		90.3	85-124		0.552	30	
1,4-Dioxane	149		"	210		71.0	10-349		42.5	30	Non-dir.
2-Butanone	9.84		"	10.0		98.4	49-152		22.2	30	
2-Hexanone	9.36		"	10.0		93.6	51-146		19.6	30	
4-Methyl-2-pentanone	8.48		"	10.0		84.8	57-145		19.1	30	
Acetone	6.11		"	10.0		61.1	14-150		16.7	30	
Acrolein	5.62		"	100		5.62	10-153	Low Bias	10.7	30	
Acrylonitrile	10.2		"	10.0		102	51-150		13.2	30	
Benzene	8.85		"	10.0		88.5	85-126		0.900	30	
Bromochloromethane	8.84		"	10.0		88.4	77-128		5.10	30	
Bromodichloromethane	8.72		"	10.0		87.2	79-128		2.91	30	
Bromoform	9.50		"	10.0		95.0	78-133		10.5	30	
Bromomethane	7.90		"	10.0		79.0	43-168		5.30	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21449 - EPA 5030B											
LCS Dup (BD21449-BSD1) LCS Dup							Prepared & Analyzed: 04/25/2022				
Carbon disulfide	8.95		ug/L	10.0		89.5	68-146		3.19	30	
Carbon tetrachloride	9.22		"	10.0		92.2	77-141		0.971	30	
Chlorobenzene	9.26		"	10.0		92.6	88-120		0.431	30	
Chloroethane	8.72		"	10.0		87.2	65-136		7.82	30	
Chloroform	8.88		"	10.0		88.8	82-128		0.00	30	
Chloromethane	7.77		"	10.0		77.7	43-155		7.67	30	
cis-1,2-Dichloroethylene	8.88		"	10.0		88.8	83-129		0.338	30	
cis-1,3-Dichloropropylene	8.99		"	10.0		89.9	80-131		0.334	30	
Cyclohexane	10.6		"	10.0		106	63-149		2.68	30	
Dibromochloromethane	8.95		"	10.0		89.5	80-130		7.06	30	
Dibromomethane	8.93		"	10.0		89.3	72-134		6.83	30	
Dichlorodifluoromethane	7.06		"	10.0		70.6	44-144		4.30	30	
Ethyl Benzene	8.85		"	10.0		88.5	80-131		2.35	30	
Hexachlorobutadiene	9.55		"	10.0		95.5	67-146		8.17	30	
Isopropylbenzene	9.27		"	10.0		92.7	76-140		7.58	30	
Methyl acetate	9.80		"	10.0		98.0	51-139		16.2	30	
Methyl tert-butyl ether (MTBE)	9.19		"	10.0		91.9	76-135		13.2	30	
Methylcyclohexane	9.86		"	10.0		98.6	72-143		3.09	30	
Methylene chloride	9.50		"	10.0		95.0	55-137		0.00	30	
n-Butylbenzene	9.17		"	10.0		91.7	79-132		2.48	30	
n-Propylbenzene	9.10		"	10.0		91.0	78-133		5.87	30	
o-Xylene	9.00		"	10.0		90.0	78-130		1.43	30	
p- & m- Xylenes	17.8		"	20.0		89.1	77-133		3.09	30	
p-Isopropyltoluene	8.96		"	10.0		89.6	81-136		5.11	30	
sec-Butylbenzene	9.06		"	10.0		90.6	79-137		4.74	30	
Styrene	8.44		"	10.0		84.4	67-132		1.65	30	
tert-Butyl alcohol (TBA)	55.0		"	50.0		110	25-162		31.8	30	Non-dir.
tert-Butylbenzene	8.22		"	10.0		82.2	77-138		5.79	30	
Tetrachloroethylene	7.31		"	10.0		73.1	82-131	Low Bias	2.03	30	
Toluene	8.77		"	10.0		87.7	80-127		2.92	30	
trans-1,2-Dichloroethylene	8.64		"	10.0		86.4	80-132		2.96	30	
trans-1,3-Dichloropropylene	9.21		"	10.0		92.1	78-131		7.20	30	
Trichloroethylene	8.80		"	10.0		88.0	82-128		2.36	30	
Trichlorofluoromethane	9.07		"	10.0		90.7	67-139		2.72	30	
Vinyl Chloride	8.35		"	10.0		83.5	58-145		4.45	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD21352 - EPA 3546 SVOA

Blank (BD21352-BLK1) Blank — Prepared & Analyzed: 04/22/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
Blank (BD21352-BLK1) Blank									Prepared & Analyzed: 04/22/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.764*		"	*1.66*		*46.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.684*		"	*1.66*		*41.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.341*		"	*0.831*		*41.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.457*		"	*0.831*		*55.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.17*		"	*1.66*		*70.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.494*		"	*0.831*		*59.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
LCS (BD21352-BS1) LCS							Prepared & Analyzed: 04/22/2022				
1,1-Biphenyl	0.541	0.0416	mg/kg wet	0.831		65.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.577	0.0830	"	0.831		69.4	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.405	0.0416	"	0.831		48.8	17-137				
2,3,4,6-Tetrachlorophenol	0.478	0.0830	"	0.831		57.6	30-130				
2,4,5-Trichlorophenol	0.613	0.0416	"	0.831		73.8	27-118				
2,4,6-Trichlorophenol	0.543	0.0416	"	0.831		65.4	31-120				
2,4-Dichlorophenol	0.573	0.0416	"	0.831		69.0	20-127				
2,4-Dimethylphenol	0.449	0.0416	"	0.831		54.1	14-132				
2,4-Dinitrophenol	0.398	0.0830	"	0.831		47.9	10-171				
2,4-Dinitrotoluene	0.713	0.0416	"	0.831		85.8	34-131				
2,6-Dinitrotoluene	0.670	0.0416	"	0.831		80.7	31-128				
2-Chloronaphthalene	0.559	0.0416	"	0.831		67.3	31-117				
2-Chlorophenol	0.488	0.0416	"	0.831		58.8	33-113				
2-Methylnaphthalene	0.532	0.0416	"	0.831		64.0	12-138				
2-Methylphenol	0.523	0.0416	"	0.831		63.0	10-136				
2-Nitroaniline	0.618	0.0830	"	0.831		74.4	27-132				
2-Nitrophenol	0.565	0.0416	"	0.831		68.0	17-129				
3- & 4-Methylphenols	0.447	0.0416	"	0.831		53.8	29-103				
3,3-Dichlorobenzidine	0.455	0.0416	"	0.831		54.8	22-149				
3-Nitroaniline	0.501	0.0830	"	0.831		60.4	20-133				
4,6-Dinitro-2-methylphenol	0.701	0.0830	"	0.831		84.4	10-143				
4-Bromophenyl phenyl ether	0.629	0.0416	"	0.831		75.7	29-120				
4-Chloro-3-methylphenol	0.523	0.0416	"	0.831		63.0	24-129				
4-Chloroaniline	0.239	0.0416	"	0.831		28.7	10-132				
4-Chlorophenyl phenyl ether	0.568	0.0416	"	0.831		68.4	27-124				
4-Nitroaniline	0.551	0.0830	"	0.831		66.3	16-128				
4-Nitrophenol	0.370	0.0830	"	0.831		44.6	10-141				
Acenaphthene	0.581	0.0416	"	0.831		70.0	30-121				
Acenaphthylene	0.550	0.0416	"	0.831		66.2	30-115				
Acetophenone	0.471	0.0416	"	0.831		56.7	20-112				
Aniline	0.385	0.166	"	0.831		46.4	10-119				
Anthracene	0.612	0.0416	"	0.831		73.7	34-118				
Atrazine	0.634	0.0416	"	0.831		76.3	26-112				
Benzaldehyde	0.468	0.0416	"	0.831		56.3	21-100				
Benzo(a)anthracene	0.646	0.0416	"	0.831		77.7	32-122				
Benzo(a)pyrene	0.645	0.0416	"	0.831		77.7	29-133				
Benzo(b)fluoranthene	0.724	0.0416	"	0.831		87.2	25-133				
Benzo(g,h,i)perylene	0.680	0.0416	"	0.831		81.9	10-143				
Benzo(k)fluoranthene	0.649	0.0416	"	0.831		78.1	25-128				
Benzoic acid	0.102	0.0416	"	0.831		12.3	10-140				
Benzyl alcohol	0.446	0.0416	"	0.831		53.7	30-115				
Benzyl butyl phthalate	0.642	0.0416	"	0.831		77.3	26-126				
Bis(2-chloroethoxy)methane	0.436	0.0416	"	0.831		52.5	19-132				
Bis(2-chloroethyl)ether	0.418	0.0416	"	0.831		50.4	19-125				
Bis(2-chloroisopropyl)ether	0.440	0.0416	"	0.831		52.9	20-135				
Bis(2-ethylhexyl)phthalate	0.723	0.0416	"	0.831		87.0	10-155				
Caprolactam	0.460	0.0830	"	0.831		55.4	10-127				
Carbazole	0.572	0.0416	"	0.831		68.8	35-123				
Chrysene	0.603	0.0416	"	0.831		72.6	32-123				
Dibenzo(a,h)anthracene	0.787	0.0416	"	0.831		94.7	10-136				
Dibenzofuran	0.554	0.0416	"	0.831		66.7	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
LCS (BD21352-BS1) LCS							Prepared & Analyzed: 04/22/2022				
Diethyl phthalate	0.557	0.0416	mg/kg wet	0.831		67.1	34-116				
Dimethyl phthalate	0.572	0.0416	"	0.831		68.9	35-124				
Di-n-butyl phthalate	0.591	0.0416	"	0.831		71.2	31-116				
Di-n-octyl phthalate	0.741	0.0416	"	0.831		89.2	26-136				
Diphenylamine	0.642	0.0830	"	0.831		77.3	40-140				
Fluoranthene	0.577	0.0416	"	0.831		69.5	33-122				
Fluorene	0.562	0.0416	"	0.831		67.7	29-123				
Hexachlorobenzene	0.479	0.0416	"	0.831		57.7	21-124				
Hexachlorobutadiene	0.538	0.0416	"	0.831		64.8	10-149				
Hexachlorocyclopentadiene	0.298	0.0416	"	0.831		35.9	10-129				
Hexachloroethane	0.482	0.0416	"	0.831		58.0	28-108				
Indeno(1,2,3-cd)pyrene	0.782	0.0416	"	0.831		94.2	10-135				
Isophorone	0.416	0.0416	"	0.831		50.0	20-132				
Naphthalene	0.523	0.0416	"	0.831		62.9	23-124				
Nitrobenzene	0.419	0.0416	"	0.831		50.4	13-132				
N-Nitrosodimethylamine	1.41	0.0416	"	0.831		170	11-129	High Bias			
N-nitroso-di-n-propylamine	0.441	0.0416	"	0.831		53.0	24-119				
N-Nitrosodiphenylamine	0.613	0.0416	"	0.831		73.8	22-152				
Pentachlorophenol	0.329	0.0416	"	0.831		39.6	10-139				
Phenanthrene	0.589	0.0416	"	0.831		70.9	33-123				
Phenol	0.460	0.0416	"	0.831		55.4	23-115				
Pyrene	0.613	0.0416	"	0.831		73.8	24-130				
Pyridine	1.15	0.166	"	0.831		139	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*0.870*		"	*1.66*		*52.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.829*		"	*1.66*		*49.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.407*		"	*0.831*		*49.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.535*		"	*0.831*		*64.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.49*		"	*1.66*		*89.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.662*		"	*0.831*		*79.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
Matrix Spike (BD21352-MS1) Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
1,1-Biphenyl	0.606	0.0940	mg/kg dry	0.939	ND	64.5	10-130				
1,2,4,5-Tetrachlorobenzene	0.681	0.188	"	0.939	ND	72.5	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.602	0.0940	"	0.939	ND	64.1	10-144				
2,3,4,6-Tetrachlorophenol	0.835	0.188	"	0.939	ND	88.9	30-130				
2,4,5-Trichlorophenol	0.718	0.0940	"	0.939	ND	76.4	10-127				
2,4,6-Trichlorophenol	0.812	0.0940	"	0.939	ND	86.5	10-132				
2,4-Dichlorophenol	0.605	0.0940	"	0.939	ND	64.4	10-128				
2,4-Dimethylphenol	0.645	0.0940	"	0.939	ND	68.7	10-137				
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.649	0.0940	"	0.939	ND	69.0	16-135				
2,6-Dinitrotoluene	0.724	0.0940	"	0.939	ND	77.1	18-131				
2-Chloronaphthalene	0.624	0.0940	"	0.939	ND	66.5	10-129				
2-Chlorophenol	0.559	0.0940	"	0.939	ND	59.5	15-116				
2-Methylnaphthalene	0.659	0.0940	"	0.939	ND	70.2	10-147				
2-Methylphenol	0.647	0.0940	"	0.939	ND	68.9	10-136				
2-Nitroaniline	0.700	0.188	"	0.939	ND	74.5	10-137				
2-Nitrophenol	0.497	0.0940	"	0.939	ND	53.0	10-129				
3- & 4-Methylphenols	0.519	0.0940	"	0.939	ND	55.3	10-123				
3,3-Dichlorobenzidine	0.819	0.0940	"	0.939	ND	87.2	10-155				
3-Nitroaniline	0.678	0.188	"	0.939	ND	72.2	12-133				
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.691	0.0940	"	0.939	ND	73.6	14-128				
4-Chloro-3-methylphenol	0.706	0.0940	"	0.939	ND	75.2	10-134				
4-Chloroaniline	0.449	0.0940	"	0.939	ND	47.8	10-145				
4-Chlorophenyl phenyl ether	0.709	0.0940	"	0.939	ND	75.5	14-130				
4-Nitroaniline	0.699	0.188	"	0.939	ND	74.4	10-147				
4-Nitrophenol	0.485	0.188	"	0.939	ND	51.7	10-137				
Acenaphthene	0.662	0.0940	"	0.939	0.286	40.0	10-146				
Acenaphthylene	0.640	0.0940	"	0.939	0.0850	59.1	10-134				
Acetophenone	0.530	0.0940	"	0.939	ND	56.4	10-116				
Aniline	0.399	0.376	"	0.939	ND	42.5	10-123				
Anthracene	0.718	0.0940	"	0.939	0.771	NR	10-142	Low Bias			
Atrazine	0.694	0.0940	"	0.939	ND	73.8	19-115				
Benzaldehyde	0.518	0.0940	"	0.939	ND	55.1	10-125				
Benzo(a)anthracene	0.718	0.0940	"	0.939	1.33	NR	10-158	Low Bias			
Benzo(a)pyrene	0.670	0.0940	"	0.939	1.16	NR	10-180	Low Bias			
Benzo(b)fluoranthene	0.713	0.0940	"	0.939	0.916	NR	10-200	Low Bias			
Benzo(g,h,i)perylene	0.697	0.0940	"	0.939	0.670	2.87	10-138	Low Bias			
Benzo(k)fluoranthene	0.760	0.0940	"	0.939	1.02	NR	10-197	Low Bias			
Benzoic acid	0.174	0.0940	"	0.939	ND	18.6	10-166				
Benzyl alcohol	0.464	0.0940	"	0.939	ND	49.4	12-124				
Benzyl butyl phthalate	0.681	0.0940	"	0.939	0.0488	67.3	10-154				
Bis(2-chloroethoxy)methane	0.510	0.0940	"	0.939	ND	54.3	10-132				
Bis(2-chloroethyl)ether	0.497	0.0940	"	0.939	ND	53.0	10-119				
Bis(2-chloroisopropyl)ether	0.476	0.0940	"	0.939	ND	50.6	10-139				
Bis(2-ethylhexyl)phthalate	0.664	0.0940	"	0.939	0.0732	62.9	10-167				
Caprolactam	0.522	0.188	"	0.939	ND	55.5	10-132				
Carbazole	0.667	0.0940	"	0.939	0.271	42.2	10-167				
Chrysene	0.727	0.0940	"	0.939	1.31	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	0.709	0.0940	"	0.939	0.268	46.9	10-137				
Dibenzofuran	0.657	0.0940	"	0.939	ND	69.9	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
Matrix Spike (BD21352-MS1) Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
Diethyl phthalate	0.640	0.0940	mg/kg dry	0.939	ND	68.2	20-120				
Dimethyl phthalate	0.658	0.0940	"	0.939	ND	70.0	18-131				
Di-n-butyl phthalate	0.874	0.0940	"	0.939	0.466	43.5	10-137				
Di-n-octyl phthalate	0.624	0.0940	"	0.939	ND	66.4	10-180				
Diphenylamine	0.735	0.188	"	0.939	ND	78.2	40-140				
Fluoranthene	0.817	0.0940	"	0.939	3.48	NR	10-160	Low Bias			
Fluorene	0.719	0.0940	"	0.939	0.290	45.7	10-157				
Hexachlorobenzene	0.649	0.0940	"	0.939	ND	69.0	10-137				
Hexachlorobutadiene	0.745	0.0940	"	0.939	ND	79.3	10-132				
Hexachlorocyclopentadiene	0.111	0.0940	"	0.939	ND	11.8	10-106				
Hexachloroethane	0.467	0.0940	"	0.939	ND	49.8	10-110				
Indeno(1,2,3-cd)pyrene	0.829	0.0940	"	0.939	0.750	8.37	10-144	Low Bias			
Isophorone	0.577	0.0940	"	0.939	ND	61.4	10-132				
Naphthalene	0.650	0.0940	"	0.939	ND	69.2	10-141				
Nitrobenzene	0.570	0.0940	"	0.939	ND	60.7	10-131				
N-Nitrosodimethylamine	0.419	0.0940	"	0.939	ND	44.6	10-126				
N-nitroso-di-n-propylamine	0.525	0.0940	"	0.939	ND	55.9	10-125				
N-Nitrosodiphenylamine	0.785	0.0940	"	0.939	ND	83.6	10-177				
Pentachlorophenol	0.496	0.0940	"	0.939	ND	52.8	10-153				
Phenanthrene	0.731	0.0940	"	0.939	2.96	NR	10-148	Low Bias			
Phenol	0.497	0.0940	"	0.939	ND	52.9	10-126				
Pyrene	0.736	0.0940	"	0.939	2.64	NR	10-165	Low Bias			
Pyridine	0.394	0.376	"	0.939	ND	41.9	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.07*		*"*	*1.88*		*57.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.999*		*"*	*1.88*		*53.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.510*		*"*	*0.939*		*54.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.582*		*"*	*0.939*		*61.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.52*		*"*	*1.88*		*81.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.639*		*"*	*0.939*		*68.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
Matrix Spike Dup (BD21352-M Matrix Spike Dup	*Source sample: 22D1080-03 (EP69_7.5)								Prepared: 04/22/2022 Analyzed: 04/23/2022		
1,1-Biphenyl	0.397	0.0940	mg/kg dry	0.939	ND	42.2	10-130		41.7	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.360	0.188	"	0.939	ND	38.3	10-133		61.7	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.331	0.0940	"	0.939	ND	35.2	10-144		58.2	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.457	0.188	"	0.939	ND	48.6	30-130		58.5	30	Non-dir.
2,4,5-Trichlorophenol	0.364	0.0940	"	0.939	ND	38.7	10-127		65.5	30	Non-dir.
2,4,6-Trichlorophenol	0.413	0.0940	"	0.939	ND	43.9	10-132		65.3	30	Non-dir.
2,4-Dichlorophenol	0.345	0.0940	"	0.939	ND	36.7	10-128		54.7	30	Non-dir.
2,4-Dimethylphenol	0.268	0.0940	"	0.939	ND	28.5	10-137		82.8	30	Non-dir.
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.377	0.0940	"	0.939	ND	40.2	16-135		52.9	30	Non-dir.
2,6-Dinitrotoluene	0.345	0.0940	"	0.939	ND	36.7	18-131		71.0	30	Non-dir.
2-Chloronaphthalene	0.379	0.0940	"	0.939	ND	40.4	10-129		48.8	30	Non-dir.
2-Chlorophenol	0.291	0.0940	"	0.939	ND	31.0	15-116		63.1	30	Non-dir.
2-Methylnaphthalene	0.367	0.0940	"	0.939	ND	39.1	10-147		56.8	30	Non-dir.
2-Methylphenol	0.295	0.0940	"	0.939	ND	31.4	10-136		74.6	30	Non-dir.
2-Nitroaniline	0.401	0.188	"	0.939	ND	42.7	10-137		54.2	30	Non-dir.
2-Nitrophenol	0.280	0.0940	"	0.939	ND	29.8	10-129		55.8	30	Non-dir.
3- & 4-Methylphenols	0.313	0.0940	"	0.939	ND	33.4	10-123		49.5	30	Non-dir.
3,3-Dichlorobenzidine	0.380	0.0940	"	0.939	ND	40.5	10-155		73.2	30	Non-dir.
3-Nitroaniline	0.389	0.188	"	0.939	ND	41.4	12-133		54.3	30	Non-dir.
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.416	0.0940	"	0.939	ND	44.3	14-128		49.7	30	Non-dir.
4-Chloro-3-methylphenol	0.394	0.0940	"	0.939	ND	41.9	10-134		56.8	30	Non-dir.
4-Chloroaniline	0.232	0.0940	"	0.939	ND	24.7	10-145		63.6	30	Non-dir.
4-Chlorophenyl phenyl ether	0.410	0.0940	"	0.939	ND	43.6	14-130		53.6	30	Non-dir.
4-Nitroaniline	0.370	0.188	"	0.939	ND	39.4	10-147		61.6	30	Non-dir.
4-Nitrophenol	0.317	0.188	"	0.939	ND	33.8	10-137		41.9	30	Non-dir.
Acenaphthene	0.409	0.0940	"	0.939	0.286	13.1	10-146		47.3	30	Non-dir.
Acenaphthylene	0.367	0.0940	"	0.939	0.0850	30.0	10-134		54.3	30	Non-dir.
Acetophenone	0.343	0.0940	"	0.939	ND	36.5	10-116		42.9	30	Non-dir.
Aniline	0.215	0.376	"	0.939	ND	22.9	10-123		60.0	30	Non-dir.
Anthracene	0.421	0.0940	"	0.939	0.771	NR	10-142	Low Bias	52.2	30	Non-dir.
Atrazine	0.398	0.0940	"	0.939	ND	42.3	19-115		54.3	30	Non-dir.
Benzaldehyde	0.263	0.0940	"	0.939	ND	28.0	10-125		65.3	30	Non-dir.
Benzo(a)anthracene	0.435	0.0940	"	0.939	1.33	NR	10-158	Low Bias	49.1	30	Non-dir.
Benzo(a)pyrene	0.370	0.0940	"	0.939	1.16	NR	10-180	Low Bias	57.8	30	Non-dir.
Benzo(b)fluoranthene	0.406	0.0940	"	0.939	0.916	NR	10-200	Low Bias	54.9	30	Non-dir.
Benzo(g,h,i)perylene	0.417	0.0940	"	0.939	0.670	NR	10-138	Low Bias	50.3	30	Non-dir.
Benzo(k)fluoranthene	0.435	0.0940	"	0.939	1.02	NR	10-197	Low Bias	54.3	30	Non-dir.
Benzoic acid	0.0939	0.0940	"	0.939	ND	10.0	10-166		59.9	30	Non-dir.
Benzyl alcohol	0.261	0.0940	"	0.939	ND	27.8	12-124		56.0	30	Non-dir.
Benzyl butyl phthalate	0.410	0.0940	"	0.939	0.0488	38.4	10-154		49.8	30	Non-dir.
Bis(2-chloroethoxy)methane	0.260	0.0940	"	0.939	ND	27.7	10-132		65.0	30	Non-dir.
Bis(2-chloroethyl)ether	0.312	0.0940	"	0.939	ND	33.2	10-119		45.9	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.328	0.0940	"	0.939	ND	35.0	10-139		36.6	30	Non-dir.
Bis(2-ethylhexyl)phthalate	0.391	0.0940	"	0.939	0.0732	33.8	10-167		51.9	30	Non-dir.
Caprolactam	0.281	0.188	"	0.939	ND	29.9	10-132		59.9	30	Non-dir.
Carbazole	0.377	0.0940	"	0.939	0.271	11.3	10-167		55.5	30	Non-dir.
Chrysene	0.437	0.0940	"	0.939	1.31	NR	10-156	Low Bias	49.8	30	Non-dir.
Dibenzo(a,h)anthracene	0.423	0.0940	"	0.939	0.268	16.5	10-137		50.5	30	Non-dir.
Dibenzofuran	0.396	0.0940	"	0.939	ND	42.2	10-147		49.5	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21352 - EPA 3546 SVOA											
Matrix Spike Dup (BD21352-M Matrix Spike Dup	*Source sample: 22D1080-03 (EP69_7.5)								Prepared: 04/22/2022 Analyzed: 04/23/2022		
Diethyl phthalate	0.368	0.0940	mg/kg dry	0.939	ND	39.2	20-120		53.9	30	Non-dir.
Dimethyl phthalate	0.380	0.0940	"	0.939	ND	40.5	18-131		53.4	30	Non-dir.
Di-n-butyl phthalate	0.621	0.0940	"	0.939	0.466	16.6	10-137		33.8	30	Non-dir.
Di-n-octyl phthalate	0.343	0.0940	"	0.939	ND	36.5	10-180		58.2	30	Non-dir.
Diphenylamine	0.395	0.188	"	0.939	ND	42.1	40-140		60.1	30	Non-dir.
Fluoranthene	0.497	0.0940	"	0.939	3.48	NR	10-160	Low Bias	48.7	30	Non-dir.
Fluorene	0.414	0.0940	"	0.939	0.290	13.2	10-157		53.8	30	Non-dir.
Hexachlorobenzene	0.412	0.0940	"	0.939	ND	43.8	10-137		44.6	30	Non-dir.
Hexachlorobutadiene	0.462	0.0940	"	0.939	ND	49.2	10-132		46.8	30	Non-dir.
Hexachlorocyclopentadiene	ND	0.0940	"	0.939	ND		10-106	Low Bias		30	
Hexachloroethane	0.302	0.0940	"	0.939	ND	32.2	10-110		43.0	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.446	0.0940	"	0.939	0.750	NR	10-144	Low Bias	60.1	30	Non-dir.
Isophorone	0.340	0.0940	"	0.939	ND	36.2	10-132		51.6	30	Non-dir.
Naphthalene	0.384	0.0940	"	0.939	ND	40.9	10-141		51.5	30	Non-dir.
Nitrobenzene	0.313	0.0940	"	0.939	ND	33.4	10-131		58.2	30	Non-dir.
N-Nitrosodimethylamine	0.268	0.0940	"	0.939	ND	28.5	10-126		44.0	30	Non-dir.
N-nitroso-di-n-propylamine	0.300	0.0940	"	0.939	ND	31.9	10-125		54.6	30	Non-dir.
N-Nitrosodiphenylamine	0.422	0.0940	"	0.939	ND	44.9	10-177		60.3	30	Non-dir.
Pentachlorophenol	0.300	0.0940	"	0.939	ND	31.9	10-153		49.3	30	Non-dir.
Phenanthrene	0.460	0.0940	"	0.939	2.96	NR	10-148	Low Bias	45.6	30	Non-dir.
Phenol	0.349	0.0940	"	0.939	ND	37.1	10-126		35.0	30	Non-dir.
Pyrene	0.446	0.0940	"	0.939	2.64	NR	10-165	Low Bias	49.0	30	Non-dir.
Pyridine	ND	0.376	"	0.939	ND		10-83	Low Bias		30	
Surrogate: SURR: 2-Fluorophenol	*0.588*		*"*	*1.88*		*31.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.575*		*"*	*1.88*		*30.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.268*		*"*	*0.939*		*28.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.342*		*"*	*0.939*		*36.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.909*		*"*	*1.88*		*48.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.366*		*"*	*0.939*		*39.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
Blank (BD21404-BLK1) Blank									Prepared: 04/22/2022 Analyzed: 04/25/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	3.23	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
Blank (BD21404-BLK1) Blank										Prepared: 04/22/2022 Analyzed: 04/25/2022	
Surrogate: SURR: 2-Fluorophenol	*17.7*		*ug/L*	*50.0*		*35.4*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*9.55*		*"*	*50.0*		*19.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*21.7*		*"*	*25.0*		*86.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.2*		*"*	*25.0*		*72.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*57.9*		*"*	*50.0*		*116*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*22.3*		*"*	*25.0*		*89.4*	*30.7-106*				
Blank (BD21404-BLK2) Blank										Prepared: 04/22/2022 Analyzed: 04/25/2022	
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	0.930	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
LCS (BD21404-BS1) LCS									Prepared: 04/22/2022 Analyzed: 04/25/2022		
1,1-Biphenyl	21.0	5.00	ug/L	25.0		84.2	33-95				
1,2,4,5-Tetrachlorobenzene	21.5	5.00	"	25.0		86.0	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.2	5.00	"	25.0		68.6	16-141				
2,3,4,6-Tetrachlorophenol	24.7	5.00	"	25.0		98.8	30-130				
2,4,5-Trichlorophenol	21.2	5.00	"	25.0		84.9	32-114				
2,4,6-Trichlorophenol	22.2	5.00	"	25.0		88.6	35-118				
2,4-Dichlorophenol	18.5	5.00	"	25.0		73.9	25-116				
2,4-Dimethylphenol	17.4	5.00	"	25.0		69.4	15-116				
2,4-Dinitrophenol	15.2	5.00	"	25.0		60.7	10-170				
2,4-Dinitrotoluene	21.9	5.00	"	25.0		87.6	41-128				
2,6-Dinitrotoluene	22.1	5.00	"	25.0		88.3	45-116				
2-Chloronaphthalene	18.3	5.00	"	25.0		73.3	33-112				
2-Chlorophenol	15.4	5.00	"	25.0		61.4	15-120				
2-Methylnaphthalene	18.3	5.00	"	25.0		73.0	24-118				
2-Methylphenol	15.2	5.00	"	25.0		60.6	10-110				
2-Nitroaniline	22.3	5.00	"	25.0		89.2	34-129				
2-Nitrophenol	19.1	5.00	"	25.0		76.5	28-118				
3- & 4-Methylphenols	10.6	5.00	"	25.0		42.2	10-107				
3,3-Dichlorobenzidine	26.3	5.00	"	25.0		105	15-187				
3-Nitroaniline	21.6	5.00	"	25.0		86.4	24-134				
4,6-Dinitro-2-methylphenol	19.5	5.00	"	25.0		78.2	10-153				
4-Bromophenyl phenyl ether	20.5	5.00	"	25.0		82.1	34-120				
4-Chloro-3-methylphenol	20.0	5.00	"	25.0		80.0	20-120				
4-Chloroaniline	12.0	5.00	"	25.0		48.0	10-147				
4-Chlorophenyl phenyl ether	19.6	5.00	"	25.0		78.4	27-121				
4-Nitroaniline	17.8	5.00	"	25.0		71.1	13-134				
4-Nitrophenol	9.79	5.00	"	25.0		39.2	10-131				
Acetophenone	24.3	5.00	"	25.0		97.3	25-110				
Aniline	9.59	5.00	"	25.0		38.4	10-117				
Benzaldehyde	18.0	5.00	"	25.0		71.9	29-117				
Benzoic acid	7.67	5.00	"	25.0		30.7	30-130				
Benzyl alcohol	13.2	5.00	"	25.0		52.7	10-117				
Benzyl butyl phthalate	18.0	5.00	"	25.0		72.1	29-133				
Bis(2-chloroethoxy)methane	14.9	5.00	"	25.0		59.4	10-154				
Bis(2-chloroethyl)ether	15.2	5.00	"	25.0		60.7	17-125				
Bis(2-chloroisopropyl)ether	15.7	5.00	"	25.0		62.6	10-139				
Caprolactam	3.21	5.00	"	25.0		12.8	10-137				
Carbazole	18.8	5.00	"	25.0		75.4	42-126				
Dibenzofuran	18.7	5.00	"	25.0		74.8	36-113				
Diethyl phthalate	18.8	5.00	"	25.0		75.3	38-115				
Dimethyl phthalate	18.8	5.00	"	25.0		75.2	38-129				
Di-n-butyl phthalate	18.3	5.00	"	25.0		73.3	31-120				
Di-n-octyl phthalate	17.7	5.00	"	25.0		70.9	21-149				
Diphenylamine	22.5	5.00	"	25.0		89.9	40-140				
Hexachlorocyclopentadiene	17.8	10.0	"	25.0		71.3	10-130				
Isophorone	17.0	5.00	"	25.0		68.1	25-127				
N-nitroso-di-n-propylamine	14.5	5.00	"	25.0		58.0	26-122				
N-Nitrosodiphenylamine	21.0	5.00	"	25.0		84.2	23-149				
Phenol	6.65	5.00	"	25.0		26.6	10-110				
Pyridine	5.84	5.00	"	25.5		22.9	10-90				
Surrogate: SURR: 2-Fluorophenol	*19.9*		*"*	*50.0*		*39.8*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
LCS (BD21404-BS1) LCS								Prepared: 04/22/2022 Analyzed: 04/25/2022			
Surrogate: SURR: Phenol-d5	*11.3*		*ug/L*	*50.0*		*22.7*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*18.6*		*"*	*25.0*		*74.2*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.4*		*"*	*25.0*		*81.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*53.6*		*"*	*50.0*		*107*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*21.5*		*"*	*25.0*		*86.1*	*30.7-106*				
LCS (BD21404-BS2) LCS								Prepared: 04/22/2022 Analyzed: 04/25/2022			
Acenaphthene	0.750	0.0500	ug/L	1.00		75.0	25-116				
Acenaphthylene	0.760	0.0500	"	1.00		76.0	26-116				
Anthracene	0.750	0.0500	"	1.00		75.0	25-123				
Benzo(a)anthracene	0.700	0.0500	"	1.00		70.0	33-125				
Benzo(a)pyrene	0.560	0.0500	"	1.00		56.0	32-132				
Benzo(b)fluoranthene	0.720	0.0500	"	1.00		72.0	22-137				
Benzo(g,h,i)perylene	0.550	0.0500	"	1.00		55.0	10-138				
Benzo(k)fluoranthene	0.720	0.0500	"	1.00		72.0	20-137				
Bis(2-ethylhexyl)phthalate	1.43	0.500	"	1.00		143	10-189				
Chrysene	0.430	0.0500	"	1.00		43.0	32-124				
Dibenzo(a,h)anthracene	0.670	0.0500	"	1.00		67.0	16-133				
Fluoranthene	0.820	0.0500	"	1.00		82.0	32-121				
Fluorene	0.820	0.0500	"	1.00		82.0	28-118				
Hexachlorobenzene	0.710	0.0200	"	1.00		71.0	23-124				
Hexachlorobutadiene	0.670	0.500	"	1.00		67.0	15-123				
Hexachloroethane	3.58	0.500	"	1.00		358	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.590	0.0500	"	1.00		59.0	15-135				
Naphthalene	0.720	0.0500	"	1.00		72.0	18-120				
Nitrobenzene	0.900	0.250	"	1.00		90.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	1.40	0.250	"	1.00		140	10-156				
Phenanthrene	0.810	0.0500	"	1.00		81.0	24-127				
Pyrene	0.740	0.0500	"	1.00		74.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
LCS Dup (BD21404-BSD1) LCS Dup								Prepared: 04/22/2022 Analyzed: 04/25/2022			
1,1-Biphenyl	17.5	5.00	ug/L	25.0		70.0	33-95		18.4	20	
1,2,4,5-Tetrachlorobenzene	16.7	5.00	"	25.0		66.9	26-120		25.0	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	14.0	5.00	"	25.0		56.1	16-141		20.1	20	Non-dir.
2,3,4,6-Tetrachlorophenol	17.3	5.00	"	25.0		69.4	30-130		35.0	20	Non-dir.
2,4,5-Trichlorophenol	17.3	5.00	"	25.0		69.2	32-114		20.4	20	Non-dir.
2,4,6-Trichlorophenol	17.8	5.00	"	25.0		71.0	35-118		22.1	20	Non-dir.
2,4-Dichlorophenol	16.3	5.00	"	25.0		65.2	25-116		12.4	20	
2,4-Dimethylphenol	13.4	5.00	"	25.0		53.6	15-116		25.8	20	Non-dir.
2,4-Dinitrophenol	15.4	5.00	"	25.0		61.7	10-170		1.57	20	
2,4-Dinitrotoluene	17.7	5.00	"	25.0		70.7	41-128		21.4	20	Non-dir.
2,6-Dinitrotoluene	17.3	5.00	"	25.0		69.1	45-116		24.3	20	Non-dir.
2-Chloronaphthalene	14.3	5.00	"	25.0		57.2	33-112		24.7	20	Non-dir.
2-Chlorophenol	12.6	5.00	"	25.0		50.3	15-120		19.8	20	
2-Methylnaphthalene	14.7	5.00	"	25.0		58.6	24-118		21.9	20	Non-dir.
2-Methylphenol	12.1	5.00	"	25.0		48.5	10-110		22.2	20	Non-dir.
2-Nitroaniline	15.9	5.00	"	25.0		63.6	34-129		33.5	20	Non-dir.
2-Nitrophenol	15.8	5.00	"	25.0		63.4	28-118		18.7	20	
3- & 4-Methylphenols	8.95	5.00	"	25.0		35.8	10-107		16.5	20	
3,3-Dichlorobenzidine	20.6	5.00	"	25.0		82.5	15-187		24.1	20	Non-dir.
3-Nitroaniline	15.4	5.00	"	25.0		61.6	24-134		33.5	20	Non-dir.
4,6-Dinitro-2-methylphenol	17.1	5.00	"	25.0		68.3	10-153		13.5	20	
4-Bromophenyl phenyl ether	16.4	5.00	"	25.0		65.6	34-120		22.3	20	Non-dir.
4-Chloro-3-methylphenol	16.1	5.00	"	25.0		64.4	20-120		21.7	20	Non-dir.
4-Chloroaniline	9.51	5.00	"	25.0		38.0	10-147		23.2	20	Non-dir.
4-Chlorophenyl phenyl ether	16.3	5.00	"	25.0		65.0	27-121		18.7	20	
4-Nitroaniline	15.6	5.00	"	25.0		62.3	13-134		13.3	20	
4-Nitrophenol	7.27	5.00	"	25.0		29.1	10-131		29.5	20	Non-dir.
Acetophenone	19.0	5.00	"	25.0		75.9	25-110		24.7	20	Non-dir.
Aniline	9.05	5.00	"	25.0		36.2	10-117		5.79	20	
Benzaldehyde	15.4	5.00	"	25.0		61.6	29-117		15.5	20	
Benzoic acid	7.01	5.00	"	25.0		28.0	30-130	Low Bias	8.99	20	
Benzyl alcohol	10.1	5.00	"	25.0		40.4	10-117		26.6	20	Non-dir.
Benzyl butyl phthalate	14.8	5.00	"	25.0		59.0	29-133		19.9	20	
Bis(2-chloroethoxy)methane	12.4	5.00	"	25.0		49.4	10-154		18.4	20	
Bis(2-chloroethyl)ether	11.7	5.00	"	25.0		46.7	17-125		26.1	20	Non-dir.
Bis(2-chloroisopropyl)ether	11.8	5.00	"	25.0		47.4	10-139		27.8	20	Non-dir.
Caprolactam	2.98	5.00	"	25.0		11.9	10-137		7.43	20	
Carbazole	15.7	5.00	"	25.0		62.9	42-126		18.1	20	
Dibenzofuran	15.1	5.00	"	25.0		60.5	36-113		21.2	20	Non-dir.
Diethyl phthalate	15.3	5.00	"	25.0		61.4	38-115		20.4	20	Non-dir.
Dimethyl phthalate	15.4	5.00	"	25.0		61.7	38-129		19.7	20	
Di-n-butyl phthalate	14.4	5.00	"	25.0		57.8	31-120		23.7	20	Non-dir.
Di-n-octyl phthalate	14.4	5.00	"	25.0		57.6	21-149		20.7	20	Non-dir.
Diphenylamine	17.7	5.00	"	25.0		70.9	40-140		23.7	20	Non-dir.
Hexachlorocyclopentadiene	13.0	10.0	"	25.0		51.9	10-130		31.5	20	Non-dir.
Isophorone	13.8	5.00	"	25.0		55.1	25-127		21.2	20	Non-dir.
N-nitroso-di-n-propylamine	12.4	5.00	"	25.0		49.6	26-122		15.7	20	
N-Nitrosodiphenylamine	18.0	5.00	"	25.0		71.8	23-149		15.8	20	
Phenol	4.75	5.00	"	25.0		19.0	10-110		33.3	20	Non-dir.
Pyridine	5.11	5.00	"	25.5		20.0	10-90		13.3	20	
Surrogate: SURR: 2-Fluorophenol	*16.2*		*"*	*50.0*		*32.5*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21404 - EPA 3510C											
LCS Dup (BD21404-BSD1) LCS Dup									Prepared: 04/22/2022 Analyzed: 04/25/2022		
Surrogate: SURR: Phenol-d5	*8.46*		*ug/L*	*50.0*		*16.9*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*14.2*		*"*	*25.0*		*56.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.8*		*"*	*25.0*		*63.1*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*39.7*		*"*	*50.0*		*79.4*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.2*		*"*	*25.0*		*68.9*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21359 - EPA 3535A												
Blank (BD21359-BLK1)	Blank								Prepared & Analyzed: 04/22/2022			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
LCS (BD21359-BS1)	LCS								Prepared & Analyzed: 04/22/2022			
1,4-Dioxane		4.18	0.300	ug/L	4.00		104	50-130				
Surrogate: 1,4-Dioxane-d8		*3.52*		*"*	*4.00*		*88.0*	*36.6-118*				
Matrix Spike (BD21359-MS1)	Matrix Spike	*Source sample: 22D0952-02 (Matrix Spike)							Prepared & Analyzed: 04/22/2022			
1,4-Dioxane		4.00	0.300	ug/L	4.00	ND	100	50-130				
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*50-130*				
Matrix Spike Dup (BD21359-M	Matrix Spike Dup	*Source sample: 22D0952-02 (Matrix Spike Dup)							Prepared & Analyzed: 04/22/2022			
1,4-Dioxane		4.00	0.300	ug/L	4.00	ND	100	50-130		0.00	30	
Surrogate: 1,4-Dioxane-d8		*3.20*		*"*	*4.00*		*80.0*	*50-130*				
Batch BD21384 - EPA 3550C												
Blank (BD21384-BLK1)	Blank								Prepared: 04/22/2022 Analyzed: 04/25/2022			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*277*		*"*	*495*		*56.0*	*39-127.5*				
LCS (BD21384-BS1)	LCS								Prepared: 04/22/2022 Analyzed: 04/25/2022			
1,4-Dioxane		514	19.8	ug/kg	495		104	40-130				
Surrogate: 1,4-Dioxane-d8		*257*		*"*	*495*		*52.0*	*39-127.5*				
Matrix Spike (BD21384-MS1)	Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared: 04/22/2022 Analyzed: 04/25/2022			
1,4-Dioxane		512	19.8	ug/kg	495	ND	103	40-130				
Surrogate: 1,4-Dioxane-d8		*287*		*"*	*495*		*58.0*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21384 - EPA 3550C											
Matrix Spike Dup (BD21384-M Matrix Spike Dup	*Source sample: 22D1080-03 (EP69_7.5)								Prepared: 04/22/2022 Analyzed: 04/25/2022		
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		3.34	30	
Surrogate: 1,4-Dioxane-d8	*248*		*"*	*495*		*50.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21409 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BD21409-BLK1) Blank									Prepared: 04/22/2022 Analyzed: 04/27/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.249	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.249	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.249	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.249	"								
Perfluorooctanoic acid (PFOA)	ND	0.249	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.249	"								
Perfluorononanoic acid (PFNA)	ND	0.249	"								
Perfluorodecanoic acid (PFDA)	ND	0.249	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.249	"								
Perfluorododecanoic acid (PFDoA)	ND	0.249	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.249	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.249	"								
N-MeFOSAA	ND	0.249	"								
N-EtFOSAA	ND	0.249	"								
Perfluoropentanoic acid (PFPeA)	ND	0.249	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.249	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.249	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.249	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.249	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.249	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.249	"								
Surrogate: M3PFBS	*3.60*		"	*4.62*		*78.0*	*25-150*				
Surrogate: M5PFHxA	*3.64*		"	*4.97*		*73.3*	*25-150*				
Surrogate: M4PFHpA	*4.16*		"	*4.97*		*83.7*	*25-150*				
Surrogate: M3PFHxS	*3.81*		"	*4.70*		*80.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.48*		"	*4.97*		*70.1*	*25-150*				
Surrogate: M6PFDA	*3.80*		"	*4.97*		*76.4*	*25-150*				
Surrogate: M7PFUdA	*3.28*		"	*4.97*		*66.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.42*		"	*4.97*		*68.8*	*25-150*				
Surrogate: M2PFTeDA	*3.21*		"	*4.97*		*64.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.06*		"	*4.97*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.74*		"	*4.76*		*78.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.57*		"	*4.97*		*71.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.02*		"	*4.97*		*60.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.39*		"	*4.97*		*68.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.95*		"	*4.97*		*79.4*	*25-150*				
Surrogate: M2-6:2 FTS	*3.63*		"	*4.72*		*77.0*	*25-200*				
Surrogate: M2-8:2 FTS	*4.66*		"	*4.76*		*97.8*	*25-200*				
Surrogate: M9PFNA	*4.27*		"	*4.97*		*86.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21409 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BD21409-BS1) LCS								Prepared: 04/22/2022 Analyzed: 04/28/2022			
Perfluorobutanesulfonic acid (PFBS)	3.93	0.235	ug/kg wet	4.17		94.3	50-130				
Perfluorohexanoic acid (PFHxA)	4.53	0.235	"	4.71		96.2	50-130				
Perfluoroheptanoic acid (PFHpA)	4.39	0.235	"	4.71		93.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.51	0.235	"	4.28		105	50-130				
Perfluorooctanoic acid (PFOA)	4.86	0.235	"	4.71		103	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.55	0.235	"	4.36		104	50-130				
Perfluorononanoic acid (PFNA)	5.08	0.235	"	4.71		108	50-130				
Perfluorodecanoic acid (PFDA)	4.62	0.235	"	4.71		98.1	50-130				
Perfluoroundecanoic acid (PFUnA)	5.08	0.235	"	4.71		108	50-130				
Perfluorododecanoic acid (PFDoA)	4.03	0.235	"	4.71		85.5	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.06	0.235	"	4.71		86.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.82	0.235	"	4.71		102	50-130				
N-MeFOSAA	4.51	0.235	"	4.71		95.8	50-130				
N-EtFOSAA	4.39	0.235	"	4.71		93.2	50-130				
Perfluoropentanoic acid (PFPeA)	4.78	0.235	"	4.71		101	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.90	0.235	"	4.71		104	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.70	0.235	"	4.50		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.40	0.235	"	4.54		96.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.83	0.235	"	4.47		85.5	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.45	0.235	"	4.52		121	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.83	0.235	"	4.71		103	50-130				
Surrogate: M3PFBS	*3.45*		"	*4.37*		*78.9*	*25-150*				
Surrogate: M5PFHxA	*3.61*		"	*4.71*		*76.7*	*25-150*				
Surrogate: M4PFHpA	*3.86*		"	*4.71*		*81.9*	*25-150*				
Surrogate: M3PFHxS	*3.62*		"	*4.45*		*81.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.57*		"	*4.71*		*75.8*	*25-150*				
Surrogate: M6PFDA	*3.37*		"	*4.71*		*71.6*	*25-150*				
Surrogate: M7PFUdA	*3.14*		"	*4.71*		*66.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.67*		"	*4.71*		*78.0*	*25-150*				
Surrogate: M2PFTeDA	*3.22*		"	*4.71*		*68.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.63*		"	*4.71*		*77.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.28*		"	*4.51*		*72.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.55*		"	*4.71*		*75.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.97*		"	*4.71*		*63.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.30*		"	*4.71*		*70.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.67*		"	*4.71*		*77.9*	*25-150*				
Surrogate: M2-6:2 FTS	*4.20*		"	*4.47*		*93.9*	*25-200*				
Surrogate: M2-8:2 FTS	*3.45*		"	*4.51*		*76.4*	*25-200*				
Surrogate: M9PFNA	*3.48*		"	*4.71*		*73.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21409 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BD21409-MS1) Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)									Prepared: 04/22/2022 Analyzed: 04/28/2022	
Perfluorobutanesulfonic acid (PFBS)	4.76	0.260	ug/kg dry	4.61	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	5.49	0.260	"	5.21	ND	105	25-150				
Perfluoroheptanoic acid (PFHpA)	4.85	0.260	"	5.21	ND	93.2	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.16	0.260	"	4.74	ND	109	25-150				
Perfluorooctanoic acid (PFOA)	5.94	0.260	"	5.21	ND	114	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.97	0.260	"	4.82	ND	103	25-150				
Perfluorononanoic acid (PFNA)	5.42	0.260	"	5.21	ND	104	25-150				
Perfluorodecanoic acid (PFDA)	5.50	0.260	"	5.21	ND	106	25-150				
Perfluoroundecanoic acid (PFUnA)	5.45	0.260	"	5.21	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	4.92	0.260	"	5.21	ND	94.4	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.59	0.260	"	5.21	ND	107	25-150				
Perfluorotetradecanoic acid (PFTA)	5.58	0.260	"	5.21	ND	107	25-150				
N-MeFOSAA	5.46	0.260	"	5.21	ND	105	25-150				
N-EtFOSAA	4.70	0.260	"	5.21	ND	90.3	25-150				
Perfluoropentanoic acid (PFPeA)	5.53	0.260	"	5.21	ND	106	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.84	0.260	"	5.21	ND	112	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.52	0.260	"	4.97	ND	111	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.45	0.260	"	5.03	ND	88.6	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.93	0.260	"	4.95	ND	79.4	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.26	0.260	"	5.00	ND	125	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.33	0.260	"	5.21	0.679	89.4	25-150				
Surrogate: M3PFBS	*3.50*		*"*	*4.84*		*72.3*	*25-150*				
Surrogate: M5PFHxA	*3.77*		*"*	*5.21*		*72.4*	*25-150*				
Surrogate: M4PFHpA	*4.47*		*"*	*5.21*		*85.8*	*25-150*				
Surrogate: M3PFHxS	*3.74*		*"*	*4.93*		*76.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.96*		*"*	*5.21*		*76.1*	*25-150*				
Surrogate: M6PFDA	*3.75*		*"*	*5.21*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*3.59*		*"*	*5.21*		*69.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.67*		*"*	*5.21*		*70.4*	*25-150*				
Surrogate: M2PFTeDA	*3.22*		*"*	*5.21*		*61.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.00*		*"*	*5.21*		*76.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.67*		*"*	*4.98*		*73.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.86*		*"*	*5.21*		*74.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.43*		*"*	*5.21*		*65.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.49*		*"*	*5.21*		*67.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.39*		*"*	*5.21*		*84.2*	*25-150*				
Surrogate: M2-6:2 FTS	*5.49*		*"*	*4.94*		*111*	*25-200*				
Surrogate: M2-8:2 FTS	*3.95*		*"*	*4.99*		*79.1*	*25-200*				
Surrogate: M9PFNA	*3.88*		*"*	*5.21*		*74.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD21409 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BD21409-M Matrix Spike Dup *Source sample: 22D1080-03 (EP69_7.5) Prepared: 04/22/2022 Analyzed: 04/28/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.51	0.273	ug/kg dry	4.84	ND	93.3	25-150		5.31	35	
Perfluorohexanoic acid (PFHxA)	5.39	0.273	"	5.47	ND	98.5	25-150		1.95	35	
Perfluoroheptanoic acid (PFHpA)	4.84	0.273	"	5.47	ND	88.5	25-150		0.325	35	
Perfluorohexanesulfonic acid (PFHxS)	5.44	0.273	"	4.97	ND	109	25-150		5.34	35	
Perfluorooctanoic acid (PFOA)	5.85	0.273	"	5.47	ND	107	25-150		1.60	35	
Perfluorooctanesulfonic acid (PFOS)	4.55	0.273	"	5.06	ND	89.9	25-150		8.96	35	
Perfluorononanoic acid (PFNA)	5.53	0.273	"	5.47	ND	101	25-150		2.08	35	
Perfluorodecanoic acid (PFDA)	5.38	0.273	"	5.47	ND	98.4	25-150		2.20	35	
Perfluoroundecanoic acid (PFUnA)	5.55	0.273	"	5.47	ND	102	25-150		1.96	35	
Perfluorododecanoic acid (PFDoA)	4.64	0.273	"	5.47	ND	85.0	25-150		5.68	35	
Perfluorotridecanoic acid (PFTrDA)	5.27	0.273	"	5.47	ND	96.3	25-150		5.90	35	
Perfluorotetradecanoic acid (PFTA)	5.57	0.273	"	5.47	ND	102	25-150		0.132	35	
N-MeFOSAA	4.74	0.273	"	5.47	ND	86.6	25-150		14.2	35	
N-EtFOSAA	5.41	0.273	"	5.47	ND	99.0	25-150		14.1	35	
Perfluoropentanoic acid (PFPeA)	5.63	0.273	"	5.47	ND	103	25-150		1.83	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.53	0.273	"	5.47	ND	101	25-150		5.46	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.63	0.273	"	5.22	ND	108	25-150		1.86	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.07	0.273	"	5.27	ND	77.1	25-150		9.11	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.72	0.273	"	5.19	ND	91.0	25-200		18.3	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.13	0.273	"	5.25	ND	117	25-200		2.17	35	
Perfluoro-n-butanoic acid (PFBA)	4.42	0.273	"	5.47	0.679	68.5	25-150		18.7	35	
Surrogate: M3PFBS	*3.68*		"	*5.08*		*72.5*	*25-150*				
Surrogate: M5PFHxA	*4.08*		"	*5.47*		*74.6*	*25-150*				
Surrogate: M4PFHpA	*4.65*		"	*5.47*		*85.2*	*25-150*				
Surrogate: M3PFHxS	*4.31*		"	*5.17*		*83.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.22*		"	*5.47*		*77.2*	*25-150*				
Surrogate: M6PFDA	*4.02*		"	*5.47*		*73.6*	*25-150*				
Surrogate: M7PFUdA	*3.46*		"	*5.47*		*63.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.93*		"	*5.47*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*3.47*		"	*5.47*		*63.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.34*		"	*5.47*		*79.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.95*		"	*5.23*		*75.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.36*		"	*5.47*		*61.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.49*		"	*5.47*		*63.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.31*		"	*5.47*		*78.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.56*		"	*5.47*		*83.4*	*25-150*				
Surrogate: M2-6:2 FTS	*5.89*		"	*5.19*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*4.71*		"	*5.24*		*89.9*	*25-200*				
Surrogate: M9PFNA	*4.19*		"	*5.47*		*76.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21542 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD21542-BLK1) Blank									Prepared: 04/25/2022 Analyzed: 04/28/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*66.7*		"	*74.3*		*89.8*	*25-150*				
Surrogate: M5PFHxA	*74.3*		"	*80.0*		*92.9*	*25-150*				
Surrogate: M4PFHpA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M3PFHxS	*73.5*		"	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.0*		"	*80.0*		*83.7*	*25-150*				
Surrogate: M6PFDA	*69.6*		"	*80.0*		*87.0*	*25-150*				
Surrogate: M7PFUdA	*67.5*		"	*80.0*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M2PFTeDA	*55.1*		"	*80.0*		*68.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.4*		"	*80.0*		*88.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.4*		"	*76.6*		*89.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.9*		"	*80.0*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.4*		"	*80.0*		*46.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*49.3*		"	*80.0*		*61.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: M2-6:2 FTS	*85.0*		"	*75.9*		*112*	*25-200*				
Surrogate: M2-8:2 FTS	*117*		"	*76.6*		*152*	*25-200*				
Surrogate: M9PFNA	*65.5*		"	*80.0*		*81.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21542 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD21542-BS1) LCS								Prepared: 04/25/2022 Analyzed: 04/28/2022			
Perfluorobutanesulfonic acid (PFBS)	74.3	2.00	ng/L	70.8		105	50-130				
Perfluorohexanoic acid (PFHxA)	85.2	2.00	"	80.0		106	50-130				
Perfluoroheptanoic acid (PFHpA)	78.0	2.00	"	80.0		97.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	92.4	2.00	"	72.8		127	50-130				
Perfluorooctanoic acid (PFOA)	89.3	2.00	"	80.0		112	50-130				
Perfluorooctanesulfonic acid (PFOS)	82.6	2.00	"	74.0		112	50-130				
Perfluorononanoic acid (PFNA)	81.1	2.00	"	80.0		101	50-130				
Perfluorodecanoic acid (PFDA)	80.4	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	87.7	2.00	"	80.0		110	50-130				
Perfluorododecanoic acid (PFDoA)	84.6	2.00	"	80.0		106	50-130				
Perfluorotridecanoic acid (PFTrDA)	84.1	2.00	"	80.0		105	50-130				
Perfluorotetradecanoic acid (PFTA)	82.2	2.00	"	80.0		103	50-130				
N-MeFOSAA	86.2	2.00	"	80.0		108	50-130				
N-EtFOSAA	70.3	2.00	"	80.0		87.8	50-130				
Perfluoropentanoic acid (PFPeA)	86.0	2.00	"	80.0		108	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	95.9	2.00	"	80.0		120	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	92.3	2.00	"	76.4		121	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	85.2	2.00	"	77.2		110	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	70.0	5.00	"	76.0		92.1	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	84.0	2.00	"	76.8		109	50-175				
Perfluoro-n-butanoic acid (PFBA)	83.1	2.00	"	80.0		104	50-130				
Surrogate: M3PFBS	*60.3*		"	*74.3*		*81.1*	*25-150*				
Surrogate: M5PFHxA	*64.8*		"	*80.0*		*81.0*	*25-150*				
Surrogate: M4PFHpA	*74.7*		"	*80.0*		*93.3*	*25-150*				
Surrogate: M3PFHxS	*66.7*		"	*75.7*		*88.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.0*		"	*80.0*		*85.0*	*25-150*				
Surrogate: M6PFDA	*71.9*		"	*80.0*		*89.9*	*25-150*				
Surrogate: M7PFUdA	*63.0*		"	*80.0*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*53.0*		"	*80.0*		*66.2*	*25-150*				
Surrogate: M2PFTeDA	*50.4*		"	*80.0*		*63.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*66.8*		"	*80.0*		*83.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.1*		"	*76.6*		*81.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.0*		"	*80.0*		*77.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.0*		"	*80.0*		*48.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.6*		"	*80.0*		*79.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.6*		"	*80.0*		*85.8*	*25-150*				
Surrogate: M2-6:2 FTS	*86.1*		"	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*121*		"	*76.6*		*158*	*25-200*				
Surrogate: M9PFNA	*69.8*		"	*80.0*		*87.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21354 - EPA 3550C											
Blank (BD21354-BLK1) Blank									Prepared: 04/22/2022 Analyzed: 04/24/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0376*		*"*	*0.0664*		*56.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0358*		*"*	*0.0664*		*53.8*	*30-150*				
LCS (BD21354-BS1) LCS									Prepared: 04/22/2022 Analyzed: 04/24/2022		
4,4'-DDD	0.0233	0.00164	mg/kg wet	0.0332		70.2	40-140				
4,4'-DDE	0.0213	0.00164	"	0.0332		64.0	40-140				
4,4'-DDT	0.0135	0.00164	"	0.0332		40.6	40-140				
Aldrin	0.0242	0.00164	"	0.0332		72.8	40-140				
alpha-BHC	0.0238	0.00164	"	0.0332		71.6	40-140				
alpha-Chlordane	0.0244	0.00164	"	0.0332		73.4	40-140				
beta-BHC	0.0234	0.00164	"	0.0332		70.3	40-140				
delta-BHC	0.0216	0.00164	"	0.0332		65.1	40-140				
Dieldrin	0.0241	0.00164	"	0.0332		72.4	40-140				
Endosulfan I	0.0257	0.00164	"	0.0332		77.3	40-140				
Endosulfan II	0.0249	0.00164	"	0.0332		74.9	40-140				
Endosulfan sulfate	0.0227	0.00164	"	0.0332		68.2	40-140				
Endrin	0.0158	0.00164	"	0.0332		47.5	40-140				
Endrin aldehyde	0.0243	0.00164	"	0.0332		73.1	40-140				
Endrin ketone	0.0247	0.00164	"	0.0332		74.4	40-140				
gamma-BHC (Lindane)	0.0216	0.00164	"	0.0332		64.9	40-140				
gamma-Chlordane	0.0241	0.00164	"	0.0332		72.5	40-140				
Heptachlor	0.0156	0.00164	"	0.0332		47.1	40-140				
Heptachlor epoxide	0.0247	0.00164	"	0.0332		74.3	40-140				
Methoxychlor	0.0140	0.00164	"	0.0332		42.1	40-140				
Surrogate: Decachlorobiphenyl	*0.0503*		*"*	*0.0664*		*75.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0482*		*"*	*0.0664*		*72.5*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21395 - EPA SW846-3510C Low Level											
Blank (BD21395-BLK1) Blank								Prepared: 04/22/2022 Analyzed: 04/25/2022			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.170*		*"*	*0.200*		*84.8*	*30-150*				
LCS (BD21395-BS1) LCS								Prepared: 04/22/2022 Analyzed: 04/25/2022			
4,4'-DDD	0.110	0.00400	ug/L	0.100		110	40-140				
4,4'-DDE	0.126	0.00400	"	0.100		126	40-140				
4,4'-DDT	0.164	0.00400	"	0.100		164	40-140	High Bias			
Aldrin	0.0827	0.00400	"	0.100		82.7	40-140				
alpha-BHC	0.0939	0.00400	"	0.100		93.9	40-140				
alpha-Chlordane	0.0924	0.00400	"	0.100		92.4	40-140				
beta-BHC	0.101	0.00400	"	0.100		101	40-140				
delta-BHC	0.116	0.00400	"	0.100		116	40-140				
Dieldrin	0.0961	0.00200	"	0.100		96.1	40-140				
Endosulfan I	0.0748	0.00400	"	0.100		74.8	40-140				
Endosulfan II	0.107	0.00400	"	0.100		107	40-140				
Endosulfan sulfate	0.0962	0.00400	"	0.100		96.2	40-140				
Endrin	0.119	0.00400	"	0.100		119	40-140				
Endrin aldehyde	0.0956	0.0100	"	0.100		95.6	40-140				
Endrin ketone	0.0949	0.0100	"	0.100		94.9	40-140				
gamma-BHC (Lindane)	0.0999	0.00400	"	0.100		99.9	40-140				
gamma-Chlordane	0.0877	0.0100	"	0.100		87.7	40-140				
Heptachlor	0.109	0.00400	"	0.100		109	40-140				
Heptachlor epoxide	0.0987	0.00400	"	0.100		98.7	40-140				
Methoxychlor	0.164	0.00400	"	0.100		164	40-140	High Bias			
Surrogate: Tetrachloro-m-xylene	*0.158*		*"*	*0.200*		*79.2*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21395 - EPA SW846-3510C Low Level											
LCS Dup (BD21395-BSD1) LCS Dup									Prepared: 04/22/2022 Analyzed: 04/25/2022		
4,4'-DDD	0.126	0.00400	ug/L	0.100		126	40-140		13.0	20	
4,4'-DDE	0.139	0.00400	"	0.100		139	40-140		9.95	20	
4,4'-DDT	0.170	0.00400	"	0.100		170	40-140	High Bias	4.18	20	
Aldrin	0.0885	0.00400	"	0.100		88.5	40-140		6.74	20	
alpha-BHC	0.105	0.00400	"	0.100		105	40-140		11.6	20	
alpha-Chlordane	0.105	0.00400	"	0.100		105	40-140		12.9	20	
beta-BHC	0.109	0.00400	"	0.100		109	40-140		8.24	20	
delta-BHC	0.124	0.00400	"	0.100		124	40-140		7.13	20	
Dieldrin	0.107	0.00200	"	0.100		107	40-140		10.4	20	
Endosulfan I	0.0841	0.00400	"	0.100		84.1	40-140		11.6	20	
Endosulfan II	0.117	0.00400	"	0.100		117	40-140		9.37	20	
Endosulfan sulfate	0.109	0.00400	"	0.100		109	40-140		12.7	20	
Endrin	0.129	0.00400	"	0.100		129	40-140		7.88	20	
Endrin aldehyde	0.0946	0.0100	"	0.100		94.6	40-140		1.06	20	
Endrin ketone	0.0990	0.0100	"	0.100		99.0	40-140		4.23	20	
gamma-BHC (Lindane)	0.109	0.00400	"	0.100		109	40-140		8.48	20	
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140		14.7	20	
Heptachlor	0.117	0.00400	"	0.100		117	40-140		7.46	20	
Heptachlor epoxide	0.107	0.00400	"	0.100		107	40-140		8.17	20	
Methoxychlor	0.179	0.00400	"	0.100		179	40-140	High Bias	9.09	20	
Surrogate: Tetrachloro-m-xylene	*0.169*		*"*	*0.200*		*84.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21354 - EPA 3550C											
Blank (BD21354-BLK2) Blank									Prepared: 04/22/2022 Analyzed: 04/23/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0392*		*"*	*0.0664*		*59.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0435*		*"*	*0.0664*		*65.5*	*30-150*				
LCS (BD21354-BS2) LCS									Prepared: 04/22/2022 Analyzed: 04/23/2022		
Aroclor 1016	0.256	0.0166	mg/kg wet	0.332		77.1	40-140			30	
Aroclor 1260	0.301	0.0166	"	0.332		90.6	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0492*		*"*	*0.0664*		*74.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0585*		*"*	*0.0664*		*88.0*	*30-150*				
Batch BD21395 - EPA SW846-3510C Low Level											
Blank (BD21395-BLK2) Blank									Prepared: 04/22/2022 Analyzed: 04/24/2022		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.169*		*"*	*0.200*		*84.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.230*		*"*	*0.200*		*115*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21395 - EPA SW846-3510C Low Level											
LCS (BD21395-BS2) LCS									Prepared: 04/22/2022 Analyzed: 04/24/2022		
Aroclor 1016	1.01	0.0500	ug/L	1.00		101	40-120				
Aroclor 1260	0.946	0.0500	"	1.00		94.6	40-120				
Surrogate: Tetrachloro-m-xylene	*0.160*		*"*	*0.200*		*80.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.200*		*66.0*	*30-120*				
LCS Dup (BD21395-BSD2) LCS Dup									Prepared: 04/22/2022 Analyzed: 04/24/2022		
Aroclor 1016	0.978	0.0500	ug/L	1.00		97.8	40-120		2.90	30	
Aroclor 1260	0.932	0.0500	"	1.00		93.2	40-120		1.58	30	
Surrogate: Tetrachloro-m-xylene	*0.153*		*"*	*0.200*		*76.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.141*		*"*	*0.200*		*70.5*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21383 - EPA 3550C/8151A											
Blank (BD21383-BLK1) Blank									Prepared: 04/22/2022 Analyzed: 04/25/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.317*		*"*	*0.415*		*76.4*	*21-150*				
LCS (BD21383-BS1) LCS									Prepared: 04/22/2022 Analyzed: 04/25/2022		
2,4,5-T	0.0922	0.0199	mg/kg wet	0.133		69.4	10-120				
2,4,5-TP (Silvex)	0.0922	0.0199	"	0.133		69.4	10-120				
2,4-D	0.105	0.0199	"	0.133		78.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.327*		*"*	*0.415*		*78.8*	*21-150*				
Matrix Spike (BD21383-MS1) Matrix Spike *Source sample: 22D1080-03 (EP69_7.5)									Prepared: 04/22/2022 Analyzed: 04/25/2022		
2,4,5-T	0.0874	0.0225	mg/kg dry	0.150	ND	58.1	10-120				
2,4,5-TP (Silvex)	0.0864	0.0225	"	0.150	ND	57.5	10-120				
2,4-D	0.102	0.0225	"	0.150	ND	68.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.333*		*"*	*0.470*		*71.0*	*21-150*				
Matrix Spike Dup (BD21383-M Matrix Spike Dup *Source sample: 22D1080-03 (EP69_7.5)									Prepared: 04/22/2022 Analyzed: 04/25/2022		
2,4,5-T	0.103	0.0225	mg/kg dry	0.150	ND	68.7	10-120		16.7	35	
2,4,5-TP (Silvex)	0.105	0.0225	"	0.150	ND	70.0	10-120		19.6	35	
2,4-D	0.129	0.0225	"	0.150	ND	85.6	10-118		22.8	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.345*		*"*	*0.470*		*73.4*	*21-150*				
Batch BD21435 - EPA 8151A											
Blank (BD21435-BLK1) Blank									Prepared & Analyzed: 04/25/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*82.2*		*"*	*125*		*65.8*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21435 - EPA 8151A											
LCS (BD21435-BS1) LCS								Prepared & Analyzed: 04/25/2022			
2,4,5-T	25.0	5.00	ug/L	40.0		62.5	10-140				
2,4,5-TP (Silvex)	24.2	5.00	"	40.0		60.6	10-139				
2,4-D	29.0	5.00	"	40.0		72.5	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*81.8*		*"*	*125*		*65.4*	*30-150*				
Matrix Spike (BD21435-MS1) Matrix Spike *Source sample: 22D0952-02 (Matrix Spike)								Prepared & Analyzed: 04/25/2022			
2,4,5-T	25.2	5.00	ug/L	40.0	ND	63.1	30-150				
2,4,5-TP (Silvex)	25.0	5.00	"	40.0	ND	62.5	30-150				
2,4-D	30.8	5.00	"	40.0	ND	76.9	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*88.5*		*"*	*125*		*70.8*	*30-150*				
Matrix Spike Dup (BD21435- Matrix Spike Dup *Source sample: 22D0952-02 (Matrix Spike Dup)								Prepared & Analyzed: 04/25/2022			
2,4,5-T	26.2	5.00	ug/L	40.0	ND	65.6	30-150		3.88	30	
2,4,5-TP (Silvex)	25.8	5.00	"	40.0	ND	64.4	30-150		2.96	30	
2,4-D	29.5	5.00	"	40.0	ND	73.8	30-150		4.15	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*84.8*		*"*	*125*		*67.8*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21455 - EPA 3050B											
Blank (BD21455-BLK1) Blank								Prepared & Analyzed: 04/25/2022			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.05	5.00	"								
Chromium	0.602	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BD21455-DUP1) Duplicate	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/25/2022			
Aluminum	10300	5.65	mg/kg dry		8430				19.8	35	
Antimony	4.74	2.83	"		5.69				18.2	35	
Arsenic	3.39	1.70	"		3.24				4.68	35	
Barium	106	2.83	"		122				14.9	35	
Beryllium	0.251	0.057	"		0.209				18.6	35	
Cadmium	3.34	0.339	"		5.75				52.9	35	Non-dir.
Calcium	2470	5.65	"		2580				4.24	35	
Chromium	29.1	0.565	"		24.3				18.1	35	
Cobalt	11.8	0.452	"		9.41				22.8	35	
Copper	58.2	2.26	"		43.0				30.1	35	
Iron	18900	28.3	"		15800				18.1	35	
Lead	144	0.565	"		120				18.1	35	
Magnesium	5810	5.65	"		4490				25.5	35	
Manganese	384	0.565	"		448				15.4	35	
Nickel	46.3	1.13	"		34.8				28.4	35	
Potassium	1990	5.65	"		1210				49.1	35	Non-dir.
Selenium	ND	2.83	"		ND					35	
Silver	ND	0.565	"		ND					35	
Sodium	271	56.5	"		218				21.6	35	
Thallium	ND	2.83	"		ND					35	
Vanadium	24.3	1.13	"		21.0				14.5	35	
Zinc	253	2.83	"		146				53.4	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21455 - EPA 3050B											
Matrix Spike (BD21455-MS1) Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/25/2022			
Aluminum	9710	5.65	mg/kg dry	226	8430	564	75-125	High Bias			
Antimony	27.9	2.83	"	28.3	5.69	78.6	75-125				
Arsenic	231	1.70	"	226	3.24	101	75-125				
Barium	397	2.83	"	226	122	121	75-125				
Beryllium	6.14	0.057	"	5.65	0.209	105	75-125				
Cadmium	18.3	0.339	"	5.65	5.75	222	75-125	High Bias			
Calcium	3120	5.65	"	113	2580	480	75-125	High Bias			
Chromium	61.5	0.565	"	22.6	24.3	164	75-125	High Bias			
Cobalt	72.0	0.452	"	56.5	9.41	111	75-125				
Copper	80.8	2.26	"	28.3	43.0	134	75-125	High Bias			
Iron	18200	28.3	"	113	15800	NR	75-125	High Bias			
Lead	264	0.565	"	56.5	120	254	75-125	High Bias			
Magnesium	5200	5.65	"	113	4490	624	75-125	High Bias			
Manganese	447	0.565	"	56.5	448	NR	75-125	Low Bias			
Nickel	106	1.13	"	56.5	34.8	125	75-125				
Potassium	1730	5.65	"	113	1210	463	75-125	High Bias			
Selenium	191	2.83	"	226	ND	84.7	75-125				
Silver	4.86	0.565	"	5.65	ND	85.9	75-125				
Sodium	349	56.5	"	113	218	116	75-125				
Thallium	197	2.83	"	226	ND	87.0	75-125				
Vanadium	85.3	1.13	"	56.5	21.0	114	75-125				
Zinc	340	2.83	"	56.5	146	343	75-125	High Bias			
Post Spike (BD21455-PS1) Post Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/25/2022			
Aluminum	77.8		ug/mL	2.00	74.6	161	75-125	High Bias			
Antimony	0.307		"	0.250	0.050	103	75-125				
Arsenic	1.91		"	2.00	0.029	94.2	75-125				
Barium	3.03		"	2.00	1.08	97.4	75-125				
Beryllium	0.050		"	0.0500	0.002	96.7	75-125				
Cadmium	0.097		"	0.0500	0.051	92.1	75-125				
Calcium	23.9		"	1.00	22.8	112	75-125				
Chromium	0.410		"	0.200	0.215	97.8	75-125				
Cobalt	0.581		"	0.500	0.083	99.6	75-125				
Copper	0.600		"	0.250	0.380	88.2	75-125				
Iron	143		"	1.00	139	375	75-125	High Bias			
Lead	1.52		"	0.500	1.06	92.0	75-125				
Magnesium	41.2		"	1.00	39.7	149	75-125	High Bias			
Manganese	4.30		"	0.500	3.96	68.1	75-125	Low Bias			
Nickel	0.823		"	0.500	0.307	103	75-125				
Potassium	11.9		"	1.00	10.7	127	75-125	High Bias			
Selenium	1.65		"	2.00	-0.124	82.5	75-125				
Silver	0.040		"	0.0500	-0.002	80.8	75-125				
Sodium	2.82		"	1.00	1.93	89.4	75-125				
Thallium	1.65		"	2.00	-0.018	82.4	75-125				
Vanadium	0.654		"	0.500	0.186	93.6	75-125				
Zinc	1.74		"	0.500	1.29	89.2	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21455 - EPA 3050B											
Reference (BD21455-SRM1) Reference									Prepared & Analyzed: 04/25/2022		
Aluminum	6460	5.00	mg/kg wet	10100		63.9	39.5-118.8				
Antimony	71.2	2.50	"	244		29.2	10-123				
Arsenic	91.7	1.50	"	109		84.2	63.7-118.3				
Barium	330	2.50	"	364		90.6	70.3-117				
Beryllium	51.3	0.050	"	57.0		90.0	69.3-115.4				
Cadmium	42.0	0.300	"	48.7		86.3	67.8-112.9				
Calcium	3640	5.00	"	5190		70.2	66.3-116.6				
Chromium	155	0.500	"	173		89.7	65.3-120.8				
Cobalt	140	0.400	"	148		94.8	70.3-117.6				
Copper	168	2.00	"	179		93.8	70.9-117.9				
Iron	10200	25.0	"	15000		67.8	36.8-162.7				
Lead	92.2	0.500	"	101		91.3	69.1-126.7				
Magnesium	1850	5.00	"	2570		71.9	56.4-124.9				
Manganese	363	0.500	"	370		98.1	72.2-119.2				
Nickel	53.7	1.00	"	52.2		103	63.4-117.8				
Potassium	1580	5.00	"	2420		65.1	49.6-118.6				
Selenium	74.7	2.50	"	104		71.8	58.5-122.1				
Silver	25.7	0.500	"	29.9		85.9	63.5-123.7				
Sodium	107	50.0	"	161		66.7	30.1-139.1				
Thallium	77.5	2.50	"	101		76.7	59.8-120.8				
Vanadium	164	1.00	"	194		84.6	73.2-117				
Zinc	387	2.50	"	431		89.9	74.9-121.1				
Batch BD21456 - EPA 3015A											
Blank (BD21456-BLK1) Blank									Prepared & Analyzed: 04/25/2022		
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.0783	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	0.0108	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.248	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21456 - EPA 3015A											
LCS (BD21456-BS1) LCS								Prepared & Analyzed: 04/25/2022			
Aluminum	2.03		ug/mL	2.00		102	80-120				
Barium	2.12		"	2.00		106	80-120				
Calcium	1.10		"	1.00		110	80-120				
Chromium	0.221		"	0.200		111	80-120				
Cobalt	0.558		"	0.500		112	80-120				
Copper	0.272		"	0.250		109	80-120				
Iron	1.03		"	1.00		103	80-120				
Lead	0.551		"	0.500		110	80-120				
Magnesium	1.00		"	1.00		100	80-120				
Manganese	0.542		"	0.500		108	80-120				
Nickel	0.534		"	0.500		107	80-120				
Potassium	1.00		"	1.00		100	80-120				
Silver	0.0479		"	0.0500		95.9	80-120				
Sodium	1.03		"	1.00		103	80-120				
Vanadium	0.530		"	0.500		106	80-120				
Zinc	0.561		"	0.500		112	80-120				
Duplicate (BD21456-DUP1) Duplicate	*Source sample: 22D0932-07 (Duplicate)							Prepared & Analyzed: 04/25/2022			
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	0.0315	0.0278	"		0.0316				0.384	20	
Calcium	55.8	0.0556	"		53.6				4.08	20	
Chromium	0.0168	0.00556	"		0.0196				15.6	20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	0.0690	0.00556	"		0.0803				15.1	20	
Magnesium	10.1	0.0556	"		9.75				3.11	20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	17.8	0.0556	"		16.4				8.13	20	
Silver	ND	0.00556	"		ND					20	
Sodium	269	0.556	"		256				4.94	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21456 - EPA 3015A											
Matrix Spike (BD21456-MS1) Matrix Spike	*Source sample: 22D0932-07 (Matrix Spike)							Prepared & Analyzed: 04/25/2022			
Aluminum	2.14	0.0556	mg/L	2.22	ND	96.3	75-125				
Barium	2.28	0.0278	"	2.22	0.0316	101	75-125				
Calcium	54.4	0.0556	"	1.11	53.6	71.5	75-125	Low Bias			
Chromium	0.243	0.00556	"	0.222	0.0196	101	75-125				
Cobalt	0.600	0.00444	"	0.556	ND	108	75-125				
Copper	0.330	0.0222	"	0.278	ND	119	75-125				
Iron	1.14	0.278	"	1.11	ND	103	75-125				
Lead	0.669	0.00556	"	0.556	0.0803	106	75-125				
Magnesium	10.8	0.0556	"	1.11	9.75	94.8	75-125				
Manganese	0.587	0.00556	"	0.556	ND	106	75-125				
Nickel	0.623	0.0111	"	0.556	ND	112	75-125				
Potassium	17.8	0.0556	"	1.11	16.4	125	75-125				
Silver	0.0459	0.00556	"	0.0556	ND	82.7	75-125				
Sodium	257	0.556	"	1.11	256	145	75-125	High Bias			
Vanadium	0.564	0.0111	"	0.556	ND	102	75-125				
Zinc	0.608	0.0278	"	0.556	ND	109	75-125				
Post Spike (BD21456-PS1) Post Spike	*Source sample: 22D0932-07 (Post Spike)							Prepared & Analyzed: 04/25/2022			
Aluminum	0.0394		ug/mL	2.00	-0.00404	1.97	75-125	Low Bias			
Barium	0.0264		"	2.00	0.0284	NR	75-125	Low Bias			
Calcium	47.7		"	1.00	48.3	NR	75-125	Low Bias			
Chromium	0.00954		"	0.200	0.0177	NR	75-125	Low Bias			
Cobalt	-0.000470		"	0.500	-0.000148		75-125	Low Bias			
Copper	0.00410		"	0.250	0.00520	NR	75-125	Low Bias			
Iron	0.0536		"	1.00	0.0575	NR	75-125	Low Bias			
Lead	0.0697		"	0.500	0.0723	NR	75-125	Low Bias			
Magnesium	8.68		"	1.00	8.78	NR	75-125	Low Bias			
Manganese	0.00224		"	0.500	0.00224	NR	75-125	Low Bias			
Nickel	0.00998		"	0.500	-0.000780	2.00	75-125	Low Bias			
Potassium	15.3		"	1.00	14.8	50.0	75-125	Low Bias			
Silver	-0.00163		"	0.0500	-0.00695		75-125	Low Bias			
Sodium	228		"	1.00	230	NR	75-125	Low Bias			
Vanadium	0.00327		"	0.500	0.00969	NR	75-125	Low Bias			
Zinc	0.00957		"	0.500	0.0113	NR	75-125	Low Bias			

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21464 - EPA 3015A											
Blank (BD21464-BLK1) Blank								Prepared & Analyzed: 04/25/2022			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	0.00221	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BD21464-BS1) LCS								Prepared & Analyzed: 04/25/2022			
Antimony	51.6		ug/L	50.0		103	80-120				
Arsenic	53.9		"	50.0		108	80-120				
Beryllium	54.5		"	50.0		109	80-120				
Cadmium	53.0		"	50.0		106	80-120				
Selenium	57.9		"	50.0		116	80-120				
Thallium	57.5		"	50.0		115	80-120				
Duplicate (BD21464-DUP1) Duplicate *Source sample: 22D1080-05 (FB06_04212022)								Prepared & Analyzed: 04/25/2022			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	ND	0.00111	"		ND					20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00114	0.00111	"		0.00133				15.7	20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BD21464-MS1) Matrix Spike *Source sample: 22D1080-05 (FB06_04212022)								Prepared & Analyzed: 04/25/2022			
Antimony	51.8		ug/L	50.0	-0.062	104	75-125				
Arsenic	53.8		"	50.0	-0.017	108	75-125				
Beryllium	52.9		"	50.0	0.003	106	75-125				
Cadmium	51.5		"	50.0	0.003	103	75-125				
Selenium	59.5		"	50.0	1.20	117	75-125				
Thallium	56.7		"	50.0	0.029	113	75-125				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21412 - EPA SW846-7470A												
Blank (BD21412-BLK1)	Blank								Prepared & Analyzed: 04/22/2022			
Mercury		ND	0.0002	mg/L								
LCS (BD21412-BS1)	LCS								Prepared & Analyzed: 04/22/2022			
Mercury		0.0019707	0.0002	mg/L	0.00200		98.5	80-120				
Duplicate (BD21412-DUP1)	Duplicate	*Source sample: 22D0932-03 (Duplicate)							Prepared & Analyzed: 04/22/2022			
Mercury		ND	0.0002	mg/L		ND					20	
Matrix Spike (BD21412-MS1)	Matrix Spike	*Source sample: 22D0932-03 (Matrix Spike)							Prepared & Analyzed: 04/22/2022			
Mercury		0.0019	0.0002	mg/L	0.00200	ND	95.2	75-125				
Batch BD21451 - EPA 7473 soil												
Blank (BD21451-BLK1)	Blank								Prepared & Analyzed: 04/25/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BD21451-DUP1)	Duplicate	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/25/2022			
Mercury		0.182	0.0339	mg/kg dry		0.118				42.8	35	Non-dir.
Matrix Spike (BD21451-MS1)	Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/25/2022			
Mercury		0.650	0.0339	mg/kg dry	0.565	0.118	94.1	75-125				
Reference (BD21451-SRM1)	Reference								Prepared & Analyzed: 04/25/2022			
Mercury		26.080		mg/kg	27.2		95.9	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21338 - Analysis Preparation												
Blank (BD21338-BLK1)	Blank								Prepared & Analyzed: 04/21/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BD21338-BS1)	LCS								Prepared & Analyzed: 04/21/2022			
Chromium, Hexavalent		0.459	0.0100	mg/L	0.500		91.8	80-120				
Duplicate (BD21338-DUP1)	Duplicate	*Source sample: 22D1080-05 (FB06_04212022)							Prepared & Analyzed: 04/21/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BD21338-MS1)	Matrix Spike	*Source sample: 22D1080-05 (FB06_04212022)							Prepared & Analyzed: 04/21/2022			
Chromium, Hexavalent		0.496	0.0100	mg/L	0.500	ND	99.2	75-125				
Batch BD21363 - EPA SW846-3060												
Blank (BD21363-BLK1)	Blank								Prepared & Analyzed: 04/22/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BD21363-DUP1)	Duplicate	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
Chromium, Hexavalent		ND	0.565	mg/kg dry		ND					35	
Matrix Spike (BD21363-MS1)	Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)							Prepared & Analyzed: 04/22/2022			
Chromium, Hexavalent		14.3	0.565	mg/kg dry	22.6	ND	63.2	75-125	Low Bias			
Reference (BD21363-SRM1)	Reference								Prepared & Analyzed: 04/22/2022			
Chromium, Hexavalent		71.3		mg/L	109		65.4	30-169.7				
Batch BD21365 - Analysis Preparation Soil												
Blank (BD21365-BLK1)	Blank								Prepared & Analyzed: 04/22/2022			
Cyanide, total		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21365 - Analysis Preparation Soil												
Duplicate (BD21365-DUP1)	Duplicate	*Source sample: 22D1080-03 (EP69_7.5)								Prepared & Analyzed: 04/22/2022		
Cyanide, total		ND	0.565	mg/kg dry		ND					15	
Matrix Spike (BD21365-MS1)	Matrix Spike	*Source sample: 22D1080-03 (EP69_7.5)								Prepared & Analyzed: 04/22/2022		
Cyanide, total		9.09	0.565	mg/kg dry	11.3	ND	80.4	79.6-107				
Reference (BD21365-SRM1)	Reference									Prepared & Analyzed: 04/22/2022		
Cyanide, total		82.8		ug/mL	86.8		95.4	41.82-157.83				
Batch BD21444 - Analysis Preparation												
Blank (BD21444-BLK1)	Blank									Prepared & Analyzed: 04/25/2022		
Cyanide, total		ND	0.0100	mg/L								
LCS (BD21444-BS1)	LCS									Prepared & Analyzed: 04/25/2022		
Cyanide, total		0.164	0.0100	mg/L	0.200		82.2	80-120				
Duplicate (BD21444-DUP1)	Duplicate	*Source sample: 22D1059-15 (Duplicate)								Prepared & Analyzed: 04/25/2022		
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BD21444-MS1)	Matrix Spike	*Source sample: 22D1059-15 (Matrix Spike)								Prepared & Analyzed: 04/25/2022		
Cyanide, total		0.167	0.0100	mg/L	0.200	ND	83.5	79-105				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21396 - % Solids Prep												
Duplicate (BD21396-DUP1)	Duplicate	*Source sample: 22D1080-02 (EP61_7.5)								Prepared: 04/22/2022 Analyzed: 04/25/2022		
% Solids		84.6	0.100	%		84.0				0.667	20	
Batch BD21436 - % Solids Prep												
Duplicate (BD21436-DUP1)	Duplicate	*Source sample: 22D1080-03 (EP69_7.5)								Prepared & Analyzed: 04/25/2022		
% Solids		87.0	0.100	%		88.4				1.62	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D1080-01	EP60_7.5	40mL Vial with Stir Bar-Cool 4° C
22D1080-02	EP61_7.5	40mL Vial with Stir Bar-Cool 4° C
22D1080-03	EP69_7.5	40mL Vial with Stir Bar-Cool 4° C
22D1080-04	DUP06_04212022	40mL Vial with Stir Bar-Cool 4° C
22D1080-05	FB06_04212022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D1080-07	TB06_04212022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
PCB-Tot	It is noted that other PCB species were detected in the sample other than those reported and may include PCB 1262 and PCB 1268.
PCB-Q	The Aroclor pattern exhibited by the sample did not match reference Aroclors or their mixtures. The Aroclor identified is a best effort assignment based upon analyst interpretation.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22D1080

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: S	Company: S	170610601	RUSH - Next Day
Address: 360 West 31st Street 7th Floor, NY, NY	Address: S	Address: S	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone: S	Phone: S		RUSH - Three Day
Contact: Kim Lemon	Contact: S	Contact: S		RUSH - Four Day
E-mail: klemon@langan.com	E-mail: S	E-mail: S	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP60_7.5	S	4/21/22 0922	TCL/Part 375 VOCs, SVOCs, PCBs	
EP61_7.5	↓	0927	pesticides, herbicides, metals including	
EP69_7.5	↓	0932	cyanide, hex + trivalent chromium	MS/MSD
DUP06_04212022	↓		PFAs, ~~1,4-dioxane~~ 1,4 dioxane	
FB06_04212022	Other AQ	1020		
FB01_PFAS_04212022	↓	1010	PFAS	
TB06_04212022	↓	1015	VOCs	

Comments: Please include lesmail@langan.com maronica@langan.com } for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Noel/Langan		Noel N York Labs	4/21/22 1354	Noel N York	4/21/22 1737
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
KB	4/21/22 1737	KB	4/21/22 2000		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					4/22/22 2000 / C.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/03/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1398

Report Date: 05/03/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1398

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 28, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D1398-01	EP60_6.5	Soil	04/28/2022	04/28/2022
22D1398-02	EP61_6.5	Soil	04/28/2022	04/28/2022
22D1398-03	EP69_6.5	Soil	04/28/2022	04/28/2022

General Notes for York Project (SDG) No.: 22D1398

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/03/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP60_6.5 **York Sample ID:** 22D1398-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1398	170610601	Soil	April 28, 2022 2:17 pm	04/28/2022

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	**Cadmium**	**0.998**		mg/kg dry	0.342	1	EPA 6010D	04/29/2022 16:56	05/02/2022 17:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**413**		mg/kg dry	0.569	1	EPA 6010D	04/29/2022 16:56	05/02/2022 17:15	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**4.04**		mg/kg dry	0.0342	1	EPA 7473	05/02/2022 10:21	05/02/2022 15:35	KML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.8**		%	0.100	1	SM 2540G	04/29/2022 08:41	04/29/2022 13:08	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP61_6.5 **York Sample ID:** 22D1398-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1398	170610601	Soil	April 28, 2022 2:16 pm	04/28/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.04**		mg/kg dry	0.0509	0.102	2	EPA 8270D	04/29/2022 07:19	05/02/2022 11:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.3 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*76.6 %*	*24-116*

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1110**		mg/kg dry	0.621	1	EPA 6010D	04/29/2022 16:56	05/02/2022 17:18	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.614**		mg/kg dry	0.0373	1	EPA 7473	05/02/2022 10:21	05/02/2022 15:48	KML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.5**		%	0.100	1	SM 2540G	04/29/2022 08:41	04/29/2022 13:08	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP69_6.5 **York Sample ID:** 22D1398-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1398	170610601	Soil	April 28, 2022 2:15 pm	04/28/2022

Semi-Volatiles, Select PAH (F)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.305	0.609	10	EPA 8270D	04/29/2022 07:19	05/02/2022 11:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.305	0.609	10	EPA 8270D	04/29/2022 07:19	05/02/2022 11:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.305	0.609	10	EPA 8270D	04/29/2022 07:19	05/02/2022 11:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.305	0.609	10	EPA 8270D	04/29/2022 07:19	05/02/2022 11:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*78.0 %*	*30-130*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.6 %*	*30-130*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*72.8 %*	*30-130*

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/kg dry	0.446	1	EPA 6010D	04/29/2022 16:56	05/02/2022 17:26	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**67.3**		%	0.100	1	SM 2540G	04/29/2022 08:41	04/29/2022 13:08	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BD21758 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22D1398-02	EP61_6.5	04/29/22
22D1398-03	EP69_6.5	04/29/22
BD21758-BLK1	Blank	04/29/22
BD21758-BS1	LCS	04/29/22

Batch ID: BD21769 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22D1398-01	EP60_6.5	04/29/22
22D1398-02	EP61_6.5	04/29/22
22D1398-03	EP69_6.5	04/29/22
BD21769-DUP1	Duplicate	04/29/22

Batch ID: BD21808 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22D1398-01	EP60_6.5	04/29/22
22D1398-02	EP61_6.5	04/29/22
22D1398-03	EP69_6.5	04/29/22
BD21808-BLK1	Blank	04/29/22
BD21808-DUP1	Duplicate	04/29/22
BD21808-MS1	Matrix Spike	04/29/22
BD21808-PS1	Post Spike	04/29/22
BD21808-SRM1	Reference	04/29/22

Batch ID: BE20034 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22D1398-01	EP60_6.5	05/02/22
22D1398-02	EP61_6.5	05/02/22
BE20034-BLK1	Blank	05/02/22
BE20034-DUP1	Duplicate	05/02/22
BE20034-MS1	Matrix Spike	05/02/22
BE20034-SRM1	Reference	05/02/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21758 - EPA 3546 SVOA											
Blank (BD21758-BLK1) Blank								Prepared & Analyzed: 04/29/2022			
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.300*		*"*	*0.831*		*36.1*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.484*		*"*	*0.831*		*58.2*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.517*		*"*	*0.831*		*62.2*	*30-130*				
LCS (BD21758-BS1) LCS								Prepared & Analyzed: 04/29/2022			
Benzo(a)anthracene	0.604	0.0416	mg/kg wet	0.831		72.7	70-130			30	
Benzo(a)pyrene	0.566	0.0416	"	0.831		68.2	70-130	Low Bias		30	
Chrysene	0.640	0.0416	"	0.831		77.0	70-130			30	
Indeno(1,2,3-cd)pyrene	0.755	0.0416	"	0.831		90.9	70-130			30	
Surrogate: SURR: Nitrobenzene-d5	*0.482*		*"*	*0.831*		*58.0*	*30-130*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.537*		*"*	*0.831*		*64.7*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.578*		*"*	*0.831*		*69.6*	*30-130*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21808 - EPA 3050B												
Blank (BD21808-BLK1)	Blank									Prepared: 04/29/2022 Analyzed: 05/02/2022		
Cadmium		ND	0.300	mg/kg wet								
Lead		ND	0.500	"								
Duplicate (BD21808-DUP1)	Duplicate	*Source sample: 22D1128-03 (Duplicate)								Prepared: 04/29/2022 Analyzed: 05/02/2022		
Cadmium		ND	0.350	mg/kg dry		ND					35	
Lead		74.6	0.584	"		54.3				31.5	35	
Matrix Spike (BD21808-MS1)	Matrix Spike	*Source sample: 22D1128-03 (Matrix Spike)								Prepared: 04/29/2022 Analyzed: 05/02/2022		
Cadmium		6.00	0.350	mg/kg dry	5.84	ND	103	75-125				
Lead		140	0.584	"	58.4	54.3	147	75-125	High Bias			
Post Spike (BD21808-PS1)	Post Spike	*Source sample: 22D1128-03 (Post Spike)								Prepared: 04/29/2022 Analyzed: 05/02/2022		
Cadmium		0.0495		ug/mL	0.0500	-0.00127	99.0	75-125				
Lead		0.981		"	0.500	0.465	103	75-125				
Reference (BD21808-SRM1)	Reference									Prepared: 04/29/2022 Analyzed: 05/02/2022		
Cadmium		43.7	0.300	mg/kg wet	48.7		89.8	67.8-112.9				
Lead		99.2	0.500	"	101		98.3	69.1-126.7				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20034 - EPA 7473 soil												
Blank (BE20034-BLK1)	Blank								Prepared & Analyzed: 05/02/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20034-DUP1)	Duplicate	*Source sample: 22D1056-01 (Duplicate)							Prepared & Analyzed: 05/02/2022			
Mercury		1.61	0.0360	mg/kg dry		2.07				25.1	35	
Matrix Spike (BE20034-MS1)	Matrix Spike	*Source sample: 22D1056-01 (Matrix Spike)							Prepared & Analyzed: 05/02/2022			
Mercury		3.22		mg/kg	0.500	1.72	300	75-125	High Bias			
Reference (BE20034-SRM1)	Reference								Prepared & Analyzed: 05/02/2022			
Mercury		25.990		mg/kg	27.2		95.6	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21769 - % Solids Prep											
Duplicate (BD21769-DUP1) Duplicate	*Source sample: 22D1398-03 (EP69_6.5)								Prepared & Analyzed: 04/29/2022		
% Solids	70.6	0.100	%		67.3				4.71	20	

Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2201398

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: Kseman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	✓
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP60_6.5	S	04/28/22 14:17	Cadmium, lead, mercury	
EP61_6.5	S	04/28/22 14:16	Indeno(1,2,3-cd) pyrene, lead, mercury	
EP69_6.5	S	04/28/22 14:15	Benzo(a) anthracene, benzo(a) pyrene, Indeno(1,2,3-cd)pyrene, Cadmium, Chrysene	

Comments: Please include Lesnail@langan.com, maronica@langan.com for all correspondence

Samples Iced/Chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time
Langan	04/28/22	Noel N York Labs	4/28/22 1430	Noel N York Labs	4/28/22 1454
T.B	4/28/22 1454	T.B	4/28/22 1952		
4. Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				SB	4/28/22 1952 3.4 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/05/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1462

Report Date: 05/05/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1462

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 29, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D1462-01	EP62_7.5	Soil	04/29/2022	04/29/2022
22D1462-02	EP63_7.5	Soil	04/29/2022	04/29/2022
22D1462-03	FB01_PFAS_04292022	Water	04/29/2022	04/29/2022

General Notes for York Project (SDG) No.: 22D1462

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/05/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.065	0.13	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**	CCV-E, J	mg/kg dry	0.0065	0.013	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0065	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0098	0.020	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0896**	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0662**	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.268**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.318**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.298**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0561**	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.238**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.267**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0826**	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.499**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.322**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.187**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.431**		mg/kg dry	0.0489	0.0975	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D	04/30/2022 06:56	05/02/2022 10:51	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*60.5 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*108 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.5 %*	*24-116*

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/03/2022 06:48	05/03/2022 16:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.777**		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**3.08**		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL

Sample Information

Client Sample ID: **EP62_7.5** **York Sample ID:** **22D1462-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.645**		ug/kg dry	0.281	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 04:48	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*102 %*		*25-150*
Surrogate: M5PFHxA	*103 %*		*25-150*
Surrogate: M4PFHpA	*97.0 %*		*25-150*
Surrogate: M3PFHxS	*110 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.5 %*		*25-150*
Surrogate: M6PFDA	*80.5 %*		*25-150*
Surrogate: M7PFUdA	*80.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*82.2 %*		*25-150*
Surrogate: M2PFTeDA	*82.0 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*100 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*101 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.0 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*100 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*103 %*		*25-150*
Surrogate: M2-6:2 FTS	*221 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*281 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*92.0 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**0.00754**		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:18	CM
72-55-9	**4,4'-DDE**	**0.00289**		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:18	CM
50-29-3	**4,4'-DDT**	**0.275**		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:18	CM

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:18	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.9 %*	*30-150*

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A	04/30/2022 06:52	05/03/2022 00:57	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:10	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:10	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:10	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*64.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7590**		mg/kg dry	5.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.35**		mg/kg dry	1.79	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**266**		mg/kg dry	2.99	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.105**		mg/kg dry	0.060	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8100**		mg/kg dry	5.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**31.9**	B	mg/kg dry	0.598	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**22.1**		mg/kg dry	0.479	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**73.9**		mg/kg dry	2.39	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21800**		mg/kg dry	29.9	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**587**		mg/kg dry	0.598	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**26500**		mg/kg dry	5.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**346**		mg/kg dry	0.598	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**440**		mg/kg dry	1.20	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1180**	B	mg/kg dry	5.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.598	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**304**		mg/kg dry	59.8	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**31.2**		mg/kg dry	1.20	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**360**		mg/kg dry	2.99	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:40	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP62_7.5 **York Sample ID:** 22D1462-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 8:53 am	04/29/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.964**		mg/kg dry	0.0359	1	EPA 7473	05/02/2022 18:58	05/03/2022 12:17	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**4.59**		mg/kg dry	0.598	1	EPA 7196A	05/02/2022 13:53	05/02/2022 21:18	LRW
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**27.3**		mg/kg	0.500	1	Calculation	05/03/2022 14:22	05/03/2022 16:38	ZTS
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.598	1	EPA 9014/9010C	05/02/2022 09:43	05/02/2022 14:48	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.6**		%	0.100	1	SM 2540G	05/02/2022 08:59	05/02/2022 14:32	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP63_7.5** **York Sample ID:** **22D1462-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.015**	CCV-E	mg/kg dry	0.0049	0.0099	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	05/02/2022 06:29	05/02/2022 13:48	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.124**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.112**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.907**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.829**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**3.90**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**6.00**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.81**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**5.56**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**3.06**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**3.36**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.09**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0984	0.197	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**4.62**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.113**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.69**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.205**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.13**		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**8.25**		mg/kg dry	0.247	0.492	10	EPA 8270D	04/30/2022 06:56	05/02/2022 21:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.394	2	EPA 8270D	04/30/2022 06:56	05/02/2022 11:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*51.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*49.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*58.5 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*87.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.8 %*	*24-116*

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/03/2022 06:48	05/03/2022 16:19	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**2.00**		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**0.307**		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL

Sample Information

Client Sample ID: **EP63_7.5** **York Sample ID:** **22D1462-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.440**		ug/kg dry	0.296	1	EPA 537m Certifications:	05/02/2022 17:25	05/05/2022 05:00	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*109 %*		*25-150*
Surrogate: M5PFHxA	*104 %*		*25-150*
Surrogate: M4PFHpA	*89.0 %*		*25-150*
Surrogate: M3PFHxS	*106 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.8 %*		*25-150*
Surrogate: M6PFDA	*68.6 %*		*25-150*
Surrogate: M7PFUdA	*71.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.9 %*		*25-150*
Surrogate: M2PFTeDA	*76.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*112 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*97.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*109 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.8 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*97.5 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*97.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*206 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*232 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*89.7 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**0.00206**		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:35	CM
72-55-9	**4,4'-DDE**	**0.00335**		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:35	CM
50-29-3	**4,4'-DDT**	**0.0188**		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2022 06:52	05/02/2022 20:35	CM

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.196	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0392	5	EPA 8081B	04/30/2022 06:52	05/02/2022 20:35	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*89.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.3 %*	*30-150*

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A	04/30/2022 06:52	05/03/2022 01:11	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:21	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:21	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0235	1	EPA 8151A	05/02/2022 13:24	05/03/2022 16:21	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7380**		mg/kg dry	5.96	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**5.62**		mg/kg dry	1.79	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**160**		mg/kg dry	2.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.601**		mg/kg dry	0.358	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**9200**		mg/kg dry	5.96	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**34.1**	B	mg/kg dry	0.596	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**15.8**		mg/kg dry	0.477	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**88.3**		mg/kg dry	2.38	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21200**		mg/kg dry	29.8	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**349**		mg/kg dry	0.596	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**11900**		mg/kg dry	5.96	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**228**		mg/kg dry	0.596	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**184**		mg/kg dry	1.19	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**933**	B	mg/kg dry	5.96	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.596	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**402**		mg/kg dry	59.6	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.0**		mg/kg dry	1.19	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**484**		mg/kg dry	2.98	1	EPA 6010D	05/02/2022 17:59	05/03/2022 14:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP63_7.5 **York Sample ID:** 22D1462-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Soil	April 29, 2022 9:00 am	04/29/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.688**		mg/kg dry	0.0358	1	EPA 7473	05/02/2022 18:58	05/03/2022 12:30	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.596	1	EPA 7196A	05/02/2022 13:53	05/02/2022 21:18	LRW
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**34.1**		mg/kg	0.500	1	Calculation	05/03/2022 14:22	05/03/2022 16:38	ZTS
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.596	1	EPA 9014/9010C	05/02/2022 09:43	05/02/2022 14:48	JAMT
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.9**		%	0.100	1	SM 2540G	05/02/2022 08:59	05/02/2022 14:32	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB01_PFAS_04292022 **York Sample ID:** 22D1462-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Water	April 29, 2022 9:15 am	04/29/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	05/02/2022 13:04	05/03/2022 18:30	WL

Sample Information

Client Sample ID: FB01_PFAS_04292022 **York Sample ID:** 22D1462-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1462	170610601	Water	April 29, 2022 9:15 am	04/29/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	05/02/2022 13:04	05/03/2022 18:30	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.6 %*	*25-150*
Surrogate: M5PFHxA	*80.8 %*	*25-150*
Surrogate: M4PFHpA	*108 %*	*25-150*
Surrogate: M3PFHxS	*93.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.4 %*	*25-150*
Surrogate: M6PFDA	*98.1 %*	*25-150*
Surrogate: M7PFUdA	*96.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*89.3 %*	*25-150*
Surrogate: M2PFTeDA	*89.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*69.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*105 %*	*25-150*
Surrogate: M2-6:2 FTS	*83.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*112 %*	*25-200*
Surrogate: M9PFNA	*94.9 %*	*25-150*

Analytical Batch Summary

Batch ID: BD21820 **Preparation Method:** EPA 3550C **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	04/30/22
22D1462-01	EP62_7.5	04/30/22
22D1462-02	EP63_7.5	04/30/22
22D1462-02	EP63_7.5	04/30/22
BD21820-BLK1	Blank	04/30/22
BD21820-BLK2	Blank	04/30/22
BD21820-BS1	LCS	04/30/22
BD21820-BS2	LCS	04/30/22
BD21820-MS2	Matrix Spike	04/30/22
BD21820-MSD2	Matrix Spike Dup	04/30/22

Batch ID: BD21821 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	04/30/22
22D1462-02	EP63_7.5	04/30/22
22D1462-02RE1	EP63_7.5	04/30/22
BD21821-BLK1	Blank	05/01/22
BD21821-BS1	LCS	05/01/22
BD21821-MS1	Matrix Spike	05/01/22
BD21821-MSD1	Matrix Spike Dup	05/01/22

Batch ID: BE20023 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20023-DUP1	Duplicate	05/02/22

Batch ID: BE20026 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20026-BLK1	Blank	05/02/22
BE20026-DUP1	Duplicate	05/02/22
BE20026-MS1	Matrix Spike	05/02/22
BE20026-SRM1	Reference	05/02/22

Batch ID: BE20048 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-03	FB01_PFAS_04292022	05/02/22

BE20048-BLK1	Blank	05/02/22
BE20048-BS1	LCS	05/02/22
BE20048-BSD1	LCS Dup	05/02/22

Batch ID: BE20056 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20056-BLK1	Blank	05/02/22
BE20056-BS1	LCS	05/02/22
BE20056-MS1	Matrix Spike	05/02/22
BE20056-MSD1	Matrix Spike Dup	05/02/22

Batch ID: BE20057 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20057-BLK1	Blank	05/02/22
BE20057-BLK2	Blank	05/02/22
BE20057-BLK3	Blank	05/02/22
BE20057-BS1	LCS	05/02/22
BE20057-BSD1	LCS Dup	05/02/22
BE20057-MS1	Matrix Spike	05/02/22
BE20057-MSD1	Matrix Spike Dup	05/02/22

Batch ID: BE20070 **Preparation Method:** EPA SW846-3060 **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20070-BLK1	Blank	05/02/22
BE20070-DUP1	Duplicate	05/02/22
BE20070-MS1	Matrix Spike	05/02/22
BE20070-SRM1	Reference	05/02/22

Batch ID: BE20084 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20084-BLK1	Blank	05/02/22
BE20084-BS1	LCS	05/02/22

Batch ID: BE20087 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date

22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20087-BLK1	Blank	05/02/22
BE20087-DUP1	Duplicate	05/02/22
BE20087-MS1	Matrix Spike	05/02/22
BE20087-PS1	Post Spike	05/02/22
BE20087-SRM1	Reference	05/02/22

Batch ID: BE20088 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/02/22
22D1462-02	EP63_7.5	05/02/22
BE20088-BLK1	Blank	05/02/22
BE20088-DUP1	Duplicate	05/02/22
BE20088-MS1	Matrix Spike	05/02/22
BE20088-SRM1	Reference	05/02/22

Batch ID: BE20092 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/03/22
22D1462-02	EP63_7.5	05/03/22
BE20092-BLK1	Blank	05/03/22
BE20092-BS1	LCS	05/03/22
BE20092-MS1	Matrix Spike	05/03/22
BE20092-MSD1	Matrix Spike Dup	05/03/22

Batch ID: BE20150 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22D1462-01	EP62_7.5	05/03/22
22D1462-02	EP63_7.5	05/03/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Blank (BE20057-BLK1) Blank									Prepared & Analyzed: 05/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Blank (BE20057-BLK1) Blank								Prepared & Analyzed: 05/02/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*ug/L*	*50.0*		*99.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.3*		*"*	*50.0*		*92.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*76-130*				
Blank (BE20057-BLK2) Blank								Prepared & Analyzed: 05/02/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Blank (BE20057-BLK2) Blank									Prepared & Analyzed: 05/02/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.5*		*"*	*50.0*		*93.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Blank (BE20057-BLK3) Blank									Prepared & Analyzed: 05/02/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Blank (BE20057-BLK3) Blank								Prepared & Analyzed: 05/02/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.1*		*"*	*50.0*		*92.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				
LCS (BE20057-BS1) LCS								Prepared & Analyzed: 05/02/2022			
1,1,1,2-Tetrachloroethane	52.8		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	59.9		"	50.0		120	71-137				
1,1,2,2-Tetrachloroethane	52.0		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.9		"	50.0		120	58-146				
1,1,2-Trichloroethane	51.1		"	50.0		102	83-123				
1,1-Dichloroethane	57.3		"	50.0		115	75-130				
1,1-Dichloroethylene	59.4		"	50.0		119	64-137				
1,2,3-Trichlorobenzene	47.3		"	50.0		94.6	81-140				
1,2,3-Trichloropropane	50.7		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	48.4		"	50.0		96.9	80-141				
1,2,4-Trimethylbenzene	52.1		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	51.2		"	50.0		102	74-142				
1,2-Dibromoethane	51.4		"	50.0		103	86-123				
1,2-Dichlorobenzene	49.7		"	50.0		99.4	85-122				
1,2-Dichloroethane	57.4		"	50.0		115	71-133				
1,2-Dichloropropane	53.8		"	50.0		108	81-122				
1,3,5-Trimethylbenzene	51.1		"	50.0		102	82-126				
1,3-Dichlorobenzene	49.9		"	50.0		99.7	84-124				
1,4-Dichlorobenzene	48.9		"	50.0		97.9	84-124				
1,4-Dioxane	1040		"	1050		98.9	10-228				
2-Butanone	55.2		"	50.0		110	58-147				
2-Hexanone	52.6		"	50.0		105	70-139				
4-Methyl-2-pentanone	39.4		"	50.0		78.9	72-132				
Acetone	50.7		"	50.0		101	36-155				
Acrolein	42.5		"	50.0		84.9	10-238				
Acrylonitrile	57.6		"	50.0		115	66-141				
Benzene	59.5		"	50.0		119	77-127				
Bromochloromethane	59.8		"	50.0		120	74-129				
Bromodichloromethane	52.5		"	50.0		105	81-124				
Bromoform	52.5		"	50.0		105	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
LCS (BE20057-BS1) LCS							Prepared & Analyzed: 05/02/2022				
Bromomethane	60.1		ug/L	50.0		120	32-177				
Carbon disulfide	65.0		"	50.0		130	10-136				
Carbon tetrachloride	62.3		"	50.0		125	66-143				
Chlorobenzene	53.8		"	50.0		108	86-120				
Chloroethane	66.4		"	50.0		133	51-142				
Chloroform	58.7		"	50.0		117	76-131				
Chloromethane	50.7		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	58.9		"	50.0		118	74-132				
cis-1,3-Dichloropropylene	52.1		"	50.0		104	81-129				
Cyclohexane	62.1		"	50.0		124	70-130				
Dibromochloromethane	52.7		"	50.0		105	10-200				
Dibromomethane	50.3		"	50.0		101	83-124				
Dichlorodifluoromethane	38.8		"	50.0		77.6	28-158				
Ethyl Benzene	52.8		"	50.0		106	84-125				
Hexachlorobutadiene	48.5		"	50.0		96.9	83-133				
Isopropylbenzene	54.4		"	50.0		109	81-127				
Methyl acetate	57.5		"	50.0		115	41-143				
Methyl tert-butyl ether (MTBE)	57.9		"	50.0		116	74-131				
Methylcyclohexane	53.4		"	50.0		107	70-130				
Methylene chloride	60.0		"	50.0		120	57-141				
n-Butylbenzene	50.1		"	50.0		100	80-130				
n-Propylbenzene	52.0		"	50.0		104	74-136				
o-Xylene	53.0		"	50.0		106	83-123				
p- & m- Xylenes	106		"	100		106	82-128				
p-Isopropyltoluene	52.5		"	50.0		105	85-125				
sec-Butylbenzene	51.7		"	50.0		103	83-125				
Styrene	50.9		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	322		"	250		129	70-130				
tert-Butylbenzene	46.0		"	50.0		92.1	80-127				
Tetrachloroethylene	45.7		"	50.0		91.5	80-129				
Toluene	51.7		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	61.0		"	50.0		122	72-132				
trans-1,3-Dichloropropylene	52.9		"	50.0		106	78-132				
Trichloroethylene	52.9		"	50.0		106	84-123				
Trichlorofluoromethane	62.2		"	50.0		124	62-140				
Vinyl Chloride	53.1		"	50.0		106	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*"*	*50.0*		*98.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.0*		*"*	*50.0*		*94.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
LCS Dup (BE20057-BSD1) LCS Dup							Prepared & Analyzed: 05/02/2022				
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		1.14	30	
1,1,1-Trichloroethane	60.2		"	50.0		120	71-137		0.649	30	
1,1,2,2-Tetrachloroethane	52.7		"	50.0		105	79-129		1.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.5		"	50.0		123	58-146		2.62	30	
1,1,2-Trichloroethane	51.0		"	50.0		102	83-123		0.196	30	
1,1-Dichloroethane	58.5		"	50.0		117	75-130		1.99	30	
1,1-Dichloroethylene	59.8		"	50.0		120	64-137		0.570	30	
1,2,3-Trichlorobenzene	48.2		"	50.0		96.3	81-140		1.78	30	
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126		0.394	30	
1,2,4-Trichlorobenzene	49.6		"	50.0		99.3	80-141		2.43	30	
1,2,4-Trimethylbenzene	52.8		"	50.0		106	84-125		1.33	30	
1,2-Dibromo-3-chloropropane	52.1		"	50.0		104	74-142		1.80	30	
1,2-Dibromoethane	52.7		"	50.0		105	86-123		2.55	30	
1,2-Dichlorobenzene	50.3		"	50.0		101	85-122		1.20	30	
1,2-Dichloroethane	58.3		"	50.0		117	71-133		1.50	30	
1,2-Dichloropropane	54.5		"	50.0		109	81-122		1.35	30	
1,3,5-Trimethylbenzene	51.9		"	50.0		104	82-126		1.67	30	
1,3-Dichlorobenzene	50.8		"	50.0		102	84-124		1.95	30	
1,4-Dichlorobenzene	50.5		"	50.0		101	84-124		3.14	30	
1,4-Dioxane	1030		"	1050		97.8	10-228		1.11	30	
2-Butanone	54.6		"	50.0		109	58-147		1.24	30	
2-Hexanone	52.9		"	50.0		106	70-139		0.474	30	
4-Methyl-2-pentanone	39.8		"	50.0		79.7	72-132		1.06	30	
Acetone	49.4		"	50.0		98.8	36-155		2.68	30	
Acrolein	42.3		"	50.0		84.5	10-238		0.448	30	
Acrylonitrile	58.3		"	50.0		117	66-141		1.22	30	
Benzene	59.5		"	50.0		119	77-127		0.0168	30	
Bromochloromethane	59.4		"	50.0		119	74-129		0.571	30	
Bromodichloromethane	53.0		"	50.0		106	81-124		0.853	30	
Bromoform	52.4		"	50.0		105	80-136		0.153	30	
Bromomethane	59.3		"	50.0		119	32-177		1.36	30	
Carbon disulfide	64.9		"	50.0		130	10-136		0.0924	30	
Carbon tetrachloride	62.0		"	50.0		124	66-143		0.612	30	
Chlorobenzene	54.3		"	50.0		109	86-120		1.04	30	
Chloroethane	67.4		"	50.0		135	51-142		1.42	30	
Chloroform	58.8		"	50.0		118	76-131		0.136	30	
Chloromethane	50.9		"	50.0		102	49-132		0.315	30	
cis-1,2-Dichloroethylene	59.2		"	50.0		118	74-132		0.491	30	
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129		1.71	30	
Cyclohexane	62.3		"	50.0		125	70-130		0.434	30	
Dibromochloromethane	52.6		"	50.0		105	10-200		0.152	30	
Dibromomethane	52.5		"	50.0		105	83-124		4.40	30	
Dichlorodifluoromethane	38.2		"	50.0		76.4	28-158		1.58	30	
Ethyl Benzene	53.5		"	50.0		107	84-125		1.37	30	
Hexachlorobutadiene	48.8		"	50.0		97.6	83-133		0.658	30	
Isopropylbenzene	54.6		"	50.0		109	81-127		0.404	30	
Methyl acetate	57.6		"	50.0		115	41-143		0.261	30	
Methyl tert-butyl ether (MTBE)	57.8		"	50.0		116	74-131		0.155	30	
Methylcyclohexane	53.9		"	50.0		108	70-130		0.913	30	
Methylene chloride	60.2		"	50.0		120	57-141		0.249	30	
n-Butylbenzene	50.5		"	50.0		101	80-130		0.815	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
LCS Dup (BE20057-BSD1) LCS Dup								Prepared & Analyzed: 05/02/2022			
n-Propylbenzene	52.8		ug/L	50.0		106	74-136		1.59	30	
o-Xylene	53.3		"	50.0		107	83-123		0.659	30	
p- & m- Xylenes	108		"	100		108	82-128		1.46	30	
p-Isopropyltoluene	52.7		"	50.0		105	85-125		0.342	30	
sec-Butylbenzene	53.0		"	50.0		106	83-125		2.52	30	
Styrene	51.1		"	50.0		102	86-126		0.529	30	
tert-Butyl alcohol (TBA)	332		"	250		133	70-130	High Bias	3.24	30	
tert-Butylbenzene	46.4		"	50.0		92.8	80-127		0.801	30	
Tetrachloroethylene	45.4		"	50.0		90.7	80-129		0.790	30	
Toluene	52.6		"	50.0		105	85-121		1.69	30	
trans-1,2-Dichloroethylene	60.4		"	50.0		121	72-132		0.988	30	
trans-1,3-Dichloropropylene	53.2		"	50.0		106	78-132		0.434	30	
Trichloroethylene	53.8		"	50.0		108	84-123		1.63	30	
Trichlorofluoromethane	61.8		"	50.0		124	62-140		0.677	30	
Vinyl Chloride	52.9		"	50.0		106	52-130		0.321	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.6*		*"*	*50.0*		*93.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike (BE20057-MS1) Matrix Spike *Source sample: 22D1375-01 (Matrix Spike)								Prepared & Analyzed: 05/02/2022			
1,1,1,2-Tetrachloroethane	36.6		ug/L	50.0	0.00	73.1	15-161				
1,1,1-Trichloroethane	47.4		"	50.0	0.00	94.8	42-145				
1,1,2,2-Tetrachloroethane	38.6		"	50.0	0.00	77.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.0		"	50.0	0.00	104	11-160				
1,1,2-Trichloroethane	42.2		"	50.0	0.00	84.4	44-145				
1,1-Dichloroethane	48.8		"	50.0	0.00	97.5	46-142				
1,1-Dichloroethylene	49.1		"	50.0	0.00	98.2	30-153				
1,2,3-Trichlorobenzene	20.1		"	50.0	0.00	40.2	10-157				
1,2,3-Trichloropropane	40.9		"	50.0	0.00	81.7	38-155				
1,2,4-Trichlorobenzene	21.8		"	50.0	0.00	43.6	10-151				
1,2,4-Trimethylbenzene	37.4		"	50.0	0.00	74.9	10-170				
1,2-Dibromo-3-chloropropane	30.4		"	50.0	0.00	60.9	36-138				
1,2-Dibromoethane	40.9		"	50.0	0.00	81.7	40-142				
1,2-Dichlorobenzene	30.0		"	50.0	0.00	60.1	10-147				
1,2-Dichloroethane	49.9		"	50.0	0.00	99.8	48-133				
1,2-Dichloropropane	46.5		"	50.0	0.00	93.0	47-141				
1,3,5-Trimethylbenzene	37.7		"	50.0	0.00	75.4	10-150				
1,3-Dichlorobenzene	31.3		"	50.0	0.00	62.6	10-144				
1,4-Dichlorobenzene	30.9		"	50.0	0.00	61.7	10-160				
1,4-Dioxane	824		"	1050	0.00	78.5	10-191				
2-Butanone	53.0		"	50.0	2.63	101	10-189				
2-Hexanone	38.1		"	50.0	0.00	76.1	10-181				
4-Methyl-2-pentanone	31.4		"	50.0	0.00	62.8	10-166				
Acetone	99.0		"	50.0	15.9	166	10-196				
Acrolein	23.8		"	50.0	0.00	47.7	10-192				
Acrylonitrile	102		"	50.0	0.00	204	13-161	High Bias			
Benzene	50.7		"	50.0	0.00	101	43-139				
Bromochloromethane	48.6		"	50.0	0.00	97.1	38-145				
Bromodichloromethane	39.0		"	50.0	0.00	78.1	38-147				
Bromoform	32.7		"	50.0	0.00	65.5	29-156				
Bromomethane	41.6		"	50.0	0.00	83.1	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Matrix Spike (BE20057-MS1) Matrix Spike	*Source sample: 22D1375-01 (Matrix Spike)							Prepared & Analyzed: 05/02/2022			
Carbon disulfide	51.4		ug/L	50.0	0.00	103	10-131				
Carbon tetrachloride	45.6		"	50.0	0.00	91.3	35-145				
Chlorobenzene	40.9		"	50.0	0.00	81.8	21-154				
Chloroethane	48.0		"	50.0	0.00	96.1	15-160				
Chloroform	50.0		"	50.0	0.00	100	47-142				
Chloromethane	40.4		"	50.0	0.00	80.7	10-159				
cis-1,2-Dichloroethylene	47.7		"	50.0	0.00	95.4	42-144				
cis-1,3-Dichloropropylene	38.3		"	50.0	0.00	76.7	18-159				
Cyclohexane	47.1		"	50.0	0.00	94.1	70-130				
Dibromochloromethane	36.6		"	50.0	0.00	73.2	10-179				
Dibromomethane	41.5		"	50.0	0.00	83.1	47-143				
Dichlorodifluoromethane	29.2		"	50.0	0.00	58.3	10-145				
Ethyl Benzene	41.0		"	50.0	0.00	82.0	11-158				
Hexachlorobutadiene	25.5		"	50.0	0.00	51.0	10-158				
Isopropylbenzene	43.3		"	50.0	0.00	86.6	10-162				
Methyl acetate	50.4		"	50.0	0.00	101	10-149				
Methyl tert-butyl ether (MTBE)	50.4		"	50.0	0.00	101	42-152				
Methylcyclohexane	57.3		"	50.0	0.00	115	70-130				
Methylene chloride	105		"	50.0	25.8	157	28-151	High Bias			
n-Butylbenzene	31.7		"	50.0	0.00	63.5	10-162				
n-Propylbenzene	40.9		"	50.0	0.00	81.8	10-155				
o-Xylene	41.4		"	50.0	0.00	82.8	10-158				
p- & m- Xylenes	86.4		"	100	0.00	86.4	10-156				
p-Isopropyltoluene	35.6		"	50.0	0.00	71.2	10-147				
sec-Butylbenzene	37.4		"	50.0	0.00	74.8	10-157				
Styrene	34.4		"	50.0	0.00	68.8	13-171				
tert-Butyl alcohol (TBA)	235		"	250	0.00	94.1	34-179				
tert-Butylbenzene	33.6		"	50.0	0.00	67.2	10-160				
Tetrachloroethylene	37.2		"	50.0	0.00	74.5	30-167				
Toluene	43.1		"	50.0	0.00	86.2	21-160				
trans-1,2-Dichloroethylene	53.1		"	50.0	0.00	106	29-153				
trans-1,3-Dichloropropylene	37.2		"	50.0	0.00	74.3	18-155				
Trichloroethylene	43.2		"	50.0	0.00	86.4	24-169				
Trichlorofluoromethane	47.1		"	50.0	0.00	94.1	35-142				
Vinyl Chloride	43.2		"	50.0	0.00	86.4	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.6*		*"*	*50.0*		*93.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE20057 - EPA 5035A

Matrix Spike Dup (BE20057-M Matrix Spike Dup *Source sample: 22D1375-01 (Matrix Spike Dup) Prepared & Analyzed: 05/02/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	39.4		ug/L	50.0	0.00	78.9	15-161		7.53	33	
1,1,1-Trichloroethane	48.7		"	50.0	0.00	97.4	42-145		2.73	30	
1,1,2,2-Tetrachloroethane	41.8		"	50.0	0.00	83.7	16-167		8.06	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.1		"	50.0	0.00	96.1	11-160		7.78	31	
1,1,2-Trichloroethane	44.5		"	50.0	0.00	89.0	44-145		5.30	40	
1,1-Dichloroethane	49.3		"	50.0	0.00	98.7	46-142		1.18	36	
1,1-Dichloroethylene	49.3		"	50.0	0.00	98.5	30-153		0.325	31	
1,2,3-Trichlorobenzene	21.5		"	50.0	0.00	43.1	10-157		6.82	47	
1,2,3-Trichloropropane	42.3		"	50.0	0.00	84.7	38-155		3.53	48	
1,2,4-Trichlorobenzene	22.6		"	50.0	0.00	45.2	10-151		3.65	52	
1,2,4-Trimethylbenzene	38.0		"	50.0	0.00	76.0	10-170		1.41	242	
1,2-Dibromo-3-chloropropane	34.4		"	50.0	0.00	68.8	36-138		12.2	54	
1,2-Dibromoethane	43.9		"	50.0	0.00	87.8	40-142		7.13	39	
1,2-Dichlorobenzene	32.2		"	50.0	0.00	64.3	10-147		6.82	52	
1,2-Dichloroethane	53.7		"	50.0	0.00	107	48-133		7.28	32	
1,2-Dichloropropane	47.2		"	50.0	0.00	94.3	47-141		1.43	37	
1,3,5-Trimethylbenzene	37.2		"	50.0	0.00	74.3	10-150		1.47	62	
1,3-Dichlorobenzene	33.0		"	50.0	0.00	65.9	10-144		5.13	51	
1,4-Dichlorobenzene	32.1		"	50.0	0.00	64.2	10-160		3.97	52	
1,4-Dioxane	1000		"	1050	0.00	95.4	10-191		19.4	196	
2-Butanone	61.1		"	50.0	2.63	117	10-189		14.3	67	
2-Hexanone	41.3		"	50.0	0.00	82.5	10-181		8.09	60	
4-Methyl-2-pentanone	33.9		"	50.0	0.00	67.7	10-166		7.60	47	
Acetone	114		"	50.0	15.9	195	10-196		13.6	150	
Acrolein	25.0		"	50.0	0.00	49.9	10-192		4.63	128	
Acrylonitrile	146		"	50.0	0.00	292	13-161	High Bias	35.7	48	
Benzene	52.3		"	50.0	0.00	105	43-139		3.11	64	
Bromochloromethane	50.7		"	50.0	0.00	101	38-145		4.41	30	
Bromodichloromethane	41.8		"	50.0	0.00	83.6	38-147		6.80	37	
Bromoform	37.0		"	50.0	0.00	74.0	29-156		12.2	51	
Bromomethane	44.2		"	50.0	0.00	88.3	10-166		6.09	42	
Carbon disulfide	52.2		"	50.0	0.00	104	10-131		1.45	36	
Carbon tetrachloride	45.5		"	50.0	0.00	91.0	35-145		0.329	31	
Chlorobenzene	42.5		"	50.0	0.00	85.0	21-154		3.86	32	
Chloroethane	52.0		"	50.0	0.00	104	15-160		7.94	40	
Chloroform	52.4		"	50.0	0.00	105	47-142		4.57	29	
Chloromethane	40.5		"	50.0	0.00	80.9	10-159		0.247	31	
cis-1,2-Dichloroethylene	49.1		"	50.0	0.00	98.2	42-144		2.91	30	
cis-1,3-Dichloropropylene	41.3		"	50.0	0.00	82.6	18-159		7.48	39	
Cyclohexane	45.8		"	50.0	0.00	91.5	70-130		2.78	30	
Dibromochloromethane	40.5		"	50.0	0.00	80.9	10-179		9.99	41	
Dibromomethane	44.3		"	50.0	0.00	88.6	47-143		6.43	41	
Dichlorodifluoromethane	27.2		"	50.0	0.00	54.5	10-145		6.85	34	
Ethyl Benzene	41.4		"	50.0	0.00	82.8	11-158		0.971	42	
Hexachlorobutadiene	19.8		"	50.0	0.00	39.7	10-158		25.0	45	
Isopropylbenzene	42.7		"	50.0	0.00	85.4	10-162		1.35	57	
Methyl acetate	46.7		"	50.0	0.00	93.4	10-149		7.64	64	
Methyl tert-butyl ether (MTBE)	55.0		"	50.0	0.00	110	42-152		8.84	47	
Methylcyclohexane	57.8		"	50.0	0.00	116	70-130		0.869	30	
Methylene chloride	63.2		"	50.0	25.8	74.9	28-151		49.2	49	Non-dir.
n-Butylbenzene	28.6		"	50.0	0.00	57.1	10-162		10.5	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20057 - EPA 5035A											
Matrix Spike Dup (BE20057-M Matrix Spike Dup	*Source sample: 22D1375-01 (Matrix Spike Dup)							Prepared & Analyzed: 05/02/2022			
n-Propylbenzene	40.2		ug/L	50.0	0.00	80.3	10-155		1.80	56	
o-Xylene	42.5		"	50.0	0.00	85.0	10-158		2.53	51	
p- & m- Xylenes	88.4		"	100	0.00	88.4	10-156		2.23	47	
p-Isopropyltoluene	33.2		"	50.0	0.00	66.4	10-147		6.94	60	
sec-Butylbenzene	34.3		"	50.0	0.00	68.7	10-157		8.61	56	
Styrene	36.3		"	50.0	0.00	72.7	13-171		5.40	39	
tert-Butyl alcohol (TBA)	281		"	250	0.00	112	34-179		17.6	35	
tert-Butylbenzene	32.2		"	50.0	0.00	64.3	10-160		4.47	79	
Tetrachloroethylene	35.6		"	50.0	0.00	71.2	30-167		4.45	33	
Toluene	44.0		"	50.0	0.00	87.9	21-160		1.98	50	
trans-1,2-Dichloroethylene	56.6		"	50.0	0.00	113	29-153		6.31	30	
trans-1,3-Dichloropropylene	40.6		"	50.0	0.00	81.2	18-155		8.90	30	
Trichloroethylene	44.5		"	50.0	0.00	89.1	24-169		3.01	30	
Trichlorofluoromethane	44.8		"	50.0	0.00	89.6	35-142		4.92	30	
Vinyl Chloride	41.2		"	50.0	0.00	82.4	12-160		4.74	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.1*		*"*	*50.0*		*94.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD21821 - EPA 3546 SVOA

Blank (BD21821-BLK1) Blank — Prepared: 05/01/2022 Analyzed: 05/02/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
Blank (BD21821-BLK1) Blank									Prepared: 05/01/2022 Analyzed: 05/02/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.24*		"	*1.66*		*74.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.16*		"	*1.66*		*69.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.595*		"	*0.831*		*71.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.703*		"	*0.831*		*84.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.97*		"	*1.66*		*119*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.785*		"	*0.831*		*94.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
LCS (BD21821-BS1) LCS								Prepared: 05/01/2022 Analyzed: 05/02/2022			
1,1-Biphenyl	0.597	0.0416	mg/kg wet	0.831		71.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.681	0.0830	"	0.831		82.0	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.560	0.0416	"	0.831		67.4	17-137				
2,3,4,6-Tetrachlorophenol	0.599	0.0830	"	0.831		72.1	30-130				
2,4,5-Trichlorophenol	0.622	0.0416	"	0.831		74.8	27-118				
2,4,6-Trichlorophenol	0.666	0.0416	"	0.831		80.2	31-120				
2,4-Dichlorophenol	0.692	0.0416	"	0.831		83.3	20-127				
2,4-Dimethylphenol	0.575	0.0416	"	0.831		69.2	14-132				
2,4-Dinitrophenol	0.799	0.0830	"	0.831		96.2	10-171				
2,4-Dinitrotoluene	0.778	0.0416	"	0.831		93.7	34-131				
2,6-Dinitrotoluene	0.758	0.0416	"	0.831		91.3	31-128				
2-Chloronaphthalene	0.634	0.0416	"	0.831		76.3	31-117				
2-Chlorophenol	0.618	0.0416	"	0.831		74.4	33-113				
2-Methylnaphthalene	0.657	0.0416	"	0.831		79.1	12-138				
2-Methylphenol	0.615	0.0416	"	0.831		74.1	10-136				
2-Nitroaniline	0.715	0.0830	"	0.831		86.1	27-132				
2-Nitrophenol	0.754	0.0416	"	0.831		90.8	17-129				
3- & 4-Methylphenols	0.533	0.0416	"	0.831		64.2	29-103				
3,3-Dichlorobenzidine	0.474	0.0416	"	0.831		57.1	22-149				
3-Nitroaniline	0.511	0.0830	"	0.831		61.5	20-133				
4,6-Dinitro-2-methylphenol	0.867	0.0830	"	0.831		104	10-143				
4-Bromophenyl phenyl ether	0.721	0.0416	"	0.831		86.8	29-120				
4-Chloro-3-methylphenol	0.628	0.0416	"	0.831		75.6	24-129				
4-Chloroaniline	0.368	0.0416	"	0.831		44.4	10-132				
4-Chlorophenyl phenyl ether	0.648	0.0416	"	0.831		78.0	27-124				
4-Nitroaniline	0.594	0.0830	"	0.831		71.6	16-128				
4-Nitrophenol	ND	0.0830	"	0.831			10-141	Low Bias			
Acenaphthene	0.632	0.0416	"	0.831		76.1	30-121				
Acenaphthylene	0.614	0.0416	"	0.831		73.9	30-115				
Acetophenone	0.546	0.0416	"	0.831		65.7	20-112				
Aniline	0.421	0.166	"	0.831		50.7	10-119				
Anthracene	0.655	0.0416	"	0.831		78.9	34-118				
Atrazine	0.681	0.0416	"	0.831		82.0	26-112				
Benzaldehyde	0.562	0.0416	"	0.831		67.7	21-100				
Benzo(a)anthracene	0.704	0.0416	"	0.831		84.8	32-122				
Benzo(a)pyrene	0.737	0.0416	"	0.831		88.7	29-133				
Benzo(b)fluoranthene	0.806	0.0416	"	0.831		97.1	25-133				
Benzo(g,h,i)perylene	0.817	0.0416	"	0.831		98.4	10-143				
Benzo(k)fluoranthene	0.738	0.0416	"	0.831		88.9	25-128				
Benzoic acid	0.191	0.0416	"	0.831		23.0	10-140				
Benzyl alcohol	0.570	0.0416	"	0.831		68.6	30-115				
Benzyl butyl phthalate	0.648	0.0416	"	0.831		78.0	26-126				
Bis(2-chloroethoxy)methane	0.537	0.0416	"	0.831		64.6	19-132				
Bis(2-chloroethyl)ether	0.525	0.0416	"	0.831		63.2	19-125				
Bis(2-chloroisopropyl)ether	0.529	0.0416	"	0.831		63.6	20-135				
Bis(2-ethylhexyl)phthalate	0.685	0.0416	"	0.831		82.5	10-155				
Caprolactam	0.572	0.0830	"	0.831		68.9	10-127				
Carbazole	0.628	0.0416	"	0.831		75.6	35-123				
Chrysene	0.660	0.0416	"	0.831		79.5	32-123				
Dibenzo(a,h)anthracene	0.928	0.0416	"	0.831		112	10-136				
Dibenzofuran	0.651	0.0416	"	0.831		78.4	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
LCS (BD21821-BS1) LCS								Prepared: 05/01/2022 Analyzed: 05/02/2022			
Diethyl phthalate	0.621	0.0416	mg/kg wet	0.831		74.8	34-116				
Dimethyl phthalate	0.645	0.0416	"	0.831		77.7	35-124				
Di-n-butyl phthalate	0.650	0.0416	"	0.831		78.3	31-116				
Di-n-octyl phthalate	0.776	0.0416	"	0.831		93.4	26-136				
Diphenylamine	0.740	0.0830	"	0.831		89.1	40-140				
Fluoranthene	0.668	0.0416	"	0.831		80.4	33-122				
Fluorene	0.632	0.0416	"	0.831		76.1	29-123				
Hexachlorobenzene	0.599	0.0416	"	0.831		72.1	21-124				
Hexachlorobutadiene	0.709	0.0416	"	0.831		85.3	10-149				
Hexachlorocyclopentadiene	0.290	0.0416	"	0.831		34.9	10-129				
Hexachloroethane	0.591	0.0416	"	0.831		71.1	28-108				
Indeno(1,2,3-cd)pyrene	1.12	0.0416	"	0.831		135	10-135				
Isophorone	0.565	0.0416	"	0.831		68.0	20-132				
Naphthalene	0.658	0.0416	"	0.831		79.3	23-124				
Nitrobenzene	0.549	0.0416	"	0.831		66.1	13-132				
N-Nitrosodimethylamine	2.19	0.0416	"	0.831		264	11-129	High Bias			
N-nitroso-di-n-propylamine	0.521	0.0416	"	0.831		62.7	24-119				
N-Nitrosodiphenylamine	0.707	0.0416	"	0.831		85.1	22-152				
Pentachlorophenol	0.434	0.0416	"	0.831		52.2	10-139				
Phenanthrene	0.635	0.0416	"	0.831		76.4	33-123				
Phenol	0.561	0.0416	"	0.831		67.6	23-115				
Pyrene	0.639	0.0416	"	0.831		77.0	24-130				
Pyridine	1.81	0.166	"	0.831		218	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.21*		"	*1.66*		*72.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.16*		"	*1.66*		*69.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.614*		"	*0.831*		*73.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.682*		"	*0.831*		*82.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.01*		"	*1.66*		*121*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.784*		"	*0.831*		*94.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
Matrix Spike (BD21821-MS1) Matrix Spike	*Source sample: 22D1374-04 (Matrix Spike)							Prepared: 05/01/2022 Analyzed: 05/02/2022			
1,1-Biphenyl	0.758	0.0893	mg/kg dry	0.892	ND	85.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.830	0.178	"	0.892	ND	93.0	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.580	0.0893	"	0.892	ND	65.0	10-144				
2,3,4,6-Tetrachlorophenol	0.767	0.178	"	0.892	ND	86.0	30-130				
2,4,5-Trichlorophenol	0.759	0.0893	"	0.892	ND	85.0	10-127				
2,4,6-Trichlorophenol	0.813	0.0893	"	0.892	ND	91.1	10-132				
2,4-Dichlorophenol	0.802	0.0893	"	0.892	ND	89.9	10-128				
2,4-Dimethylphenol	0.589	0.0893	"	0.892	ND	66.0	10-137				
2,4-Dinitrophenol	ND	0.178	"	0.892	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.932	0.0893	"	0.892	ND	104	16-135				
2,6-Dinitrotoluene	0.919	0.0893	"	0.892	ND	103	18-131				
2-Chloronaphthalene	0.813	0.0893	"	0.892	ND	91.1	10-129				
2-Chlorophenol	0.750	0.0893	"	0.892	ND	84.0	15-116				
2-Methylnaphthalene	0.763	0.0893	"	0.892	ND	85.5	10-147				
2-Methylphenol	0.700	0.0893	"	0.892	ND	78.4	10-136				
2-Nitroaniline	0.886	0.178	"	0.892	ND	99.3	10-137				
2-Nitrophenol	0.867	0.0893	"	0.892	ND	97.2	10-129				
3- & 4-Methylphenols	0.619	0.0893	"	0.892	ND	69.4	10-123				
3,3-Dichlorobenzidine	0.650	0.0893	"	0.892	ND	72.8	10-155				
3-Nitroaniline	0.695	0.178	"	0.892	ND	77.9	12-133				
4,6-Dinitro-2-methylphenol	0.255	0.178	"	0.892	ND	28.6	10-155				
4-Bromophenyl phenyl ether	0.831	0.0893	"	0.892	ND	93.1	14-128				
4-Chloro-3-methylphenol	0.744	0.0893	"	0.892	ND	83.4	10-134				
4-Chloroaniline	0.419	0.0893	"	0.892	ND	47.0	10-145				
4-Chlorophenyl phenyl ether	0.807	0.0893	"	0.892	ND	90.4	14-130				
4-Nitroaniline	0.759	0.178	"	0.892	ND	85.0	10-147				
4-Nitrophenol	ND	0.178	"	0.892	ND		10-137	Low Bias			
Acenaphthene	0.778	0.0893	"	0.892	ND	87.2	10-146				
Acenaphthylene	0.767	0.0893	"	0.892	ND	86.0	10-134				
Acetophenone	0.638	0.0893	"	0.892	ND	71.4	10-116				
Aniline	0.478	0.358	"	0.892	ND	53.6	10-123				
Anthracene	0.785	0.0893	"	0.892	ND	87.9	10-142				
Atrazine	0.781	0.0893	"	0.892	ND	87.5	19-115				
Benzaldehyde	0.663	0.0893	"	0.892	ND	74.3	10-125				
Benzo(a)anthracene	0.901	0.0893	"	0.892	0.0882	91.1	10-158				
Benzo(a)pyrene	0.997	0.0893	"	0.892	0.111	99.2	10-180				
Benzo(b)fluoranthene	1.07	0.0893	"	0.892	0.102	108	10-200				
Benzo(g,h,i)perylene	1.13	0.0893	"	0.892	0.0819	118	10-138				
Benzo(k)fluoranthene	0.906	0.0893	"	0.892	0.0735	93.3	10-197				
Benzoic acid	0.121	0.0893	"	0.892	ND	13.5	10-166				
Benzyl alcohol	0.696	0.0893	"	0.892	ND	78.0	12-124				
Benzyl butyl phthalate	0.739	0.0893	"	0.892	ND	82.8	10-154				
Bis(2-chloroethoxy)methane	0.618	0.0893	"	0.892	ND	69.3	10-132				
Bis(2-chloroethyl)ether	0.624	0.0893	"	0.892	ND	69.9	10-119				
Bis(2-chloroisopropyl)ether	0.642	0.0893	"	0.892	ND	71.9	10-139				
Bis(2-ethylhexyl)phthalate	0.800	0.0893	"	0.892	ND	89.7	10-167				
Caprolactam	0.663	0.178	"	0.892	ND	74.3	10-132				
Carbazole	0.731	0.0893	"	0.892	ND	81.9	10-167				
Chrysene	0.846	0.0893	"	0.892	0.0875	85.0	10-156				
Dibenzo(a,h)anthracene	1.18	0.0893	"	0.892	ND	133	10-137				
Dibenzofuran	0.784	0.0893	"	0.892	ND	87.8	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
Matrix Spike (BD21821-MS1) Matrix Spike	*Source sample: 22D1374-04 (Matrix Spike)							Prepared: 05/01/2022 Analyzed: 05/02/2022			
Diethyl phthalate	0.761	0.0893	mg/kg dry	0.892	ND	85.3	20-120				
Dimethyl phthalate	0.783	0.0893	"	0.892	ND	87.8	18-131				
Di-n-butyl phthalate	0.747	0.0893	"	0.892	ND	83.8	10-137				
Di-n-octyl phthalate	0.882	0.0893	"	0.892	ND	98.9	10-180				
Diphenylamine	0.857	0.178	"	0.892	ND	96.1	40-140				
Fluoranthene	0.894	0.0893	"	0.892	0.179	80.1	10-160				
Fluorene	0.794	0.0893	"	0.892	ND	89.0	10-157				
Hexachlorobenzene	0.705	0.0893	"	0.892	ND	79.0	10-137				
Hexachlorobutadiene	0.812	0.0893	"	0.892	ND	91.0	10-132				
Hexachlorocyclopentadiene	0.0914	0.0893	"	0.892	ND	10.2	10-106				
Hexachloroethane	0.668	0.0893	"	0.892	ND	74.8	10-110				
Indeno(1,2,3-cd)pyrene	1.49	0.0893	"	0.892	0.104	155	10-144	High Bias			
Isophorone	0.645	0.0893	"	0.892	ND	72.3	10-132				
Naphthalene	0.778	0.0893	"	0.892	ND	87.2	10-141				
Nitrobenzene	0.644	0.0893	"	0.892	ND	72.2	10-131				
N-Nitrosodimethylamine	2.68	0.0893	"	0.892	ND	300	10-126	High Bias			
N-nitroso-di-n-propylamine	0.618	0.0893	"	0.892	ND	69.2	10-125				
N-Nitrosodiphenylamine	0.820	0.0893	"	0.892	ND	91.8	10-177				
Pentachlorophenol	0.530	0.0893	"	0.892	ND	59.4	10-153				
Phenanthrene	0.866	0.0893	"	0.892	0.124	83.2	10-148				
Phenol	ND	0.0893	"	0.892	ND		10-126	Low Bias			
Pyrene	0.841	0.0893	"	0.892	0.153	77.1	10-165				
Pyridine	2.30	0.358	"	0.892	ND	258	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.42*		*"*	*1.78*		*79.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.36*		*"*	*1.78*		*76.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.693*		*"*	*0.892*		*77.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.829*		*"*	*0.892*		*92.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.25*		*"*	*1.78*		*126*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.885*		*"*	*0.892*		*99.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
Matrix Spike Dup (BD21821-M Matrix Spike Dup	*Source sample: 22D1374-04 (Matrix Spike Dup)								Prepared: 05/01/2022 Analyzed: 05/02/2022		
1,1-Biphenyl	0.623	0.0893	mg/kg dry	0.892	ND	69.8	10-130		19.6	30	
1,2,4,5-Tetrachlorobenzene	0.696	0.178	"	0.892	ND	78.0	10-133		17.5	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.498	0.0893	"	0.892	ND	55.8	10-144		15.2	30	
2,3,4,6-Tetrachlorophenol	0.641	0.178	"	0.892	ND	71.8	30-130		17.9	30	
2,4,5-Trichlorophenol	0.653	0.0893	"	0.892	ND	73.2	10-127		15.0	30	
2,4,6-Trichlorophenol	0.700	0.0893	"	0.892	ND	78.5	10-132		14.9	30	
2,4-Dichlorophenol	0.660	0.0893	"	0.892	ND	74.0	10-128		19.4	30	
2,4-Dimethylphenol	0.501	0.0893	"	0.892	ND	56.2	10-137		16.1	30	
2,4-Dinitrophenol	ND	0.178	"	0.892	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.797	0.0893	"	0.892	ND	89.3	16-135		15.7	30	
2,6-Dinitrotoluene	0.780	0.0893	"	0.892	ND	87.4	18-131		16.3	30	
2-Chloronaphthalene	0.650	0.0893	"	0.892	ND	72.8	10-129		22.4	30	
2-Chlorophenol	0.619	0.0893	"	0.892	ND	69.4	15-116		19.1	30	
2-Methylnaphthalene	0.624	0.0893	"	0.892	ND	69.9	10-147		20.1	30	
2-Methylphenol	0.558	0.0893	"	0.892	ND	62.6	10-136		22.5	30	
2-Nitroaniline	0.724	0.178	"	0.892	ND	81.1	10-137		20.1	30	
2-Nitrophenol	0.680	0.0893	"	0.892	ND	76.2	10-129		24.3	30	
3- & 4-Methylphenols	0.513	0.0893	"	0.892	ND	57.5	10-123		18.7	30	
3,3-Dichlorobenzidine	0.565	0.0893	"	0.892	ND	63.3	10-155		14.0	30	
3-Nitroaniline	0.625	0.178	"	0.892	ND	70.1	12-133		10.6	30	
4,6-Dinitro-2-methylphenol	0.228	0.178	"	0.892	ND	25.5	10-155		11.2	30	
4-Bromophenyl phenyl ether	0.712	0.0893	"	0.892	ND	79.8	14-128		15.4	30	
4-Chloro-3-methylphenol	0.620	0.0893	"	0.892	ND	69.5	10-134		18.1	30	
4-Chloroaniline	0.374	0.0893	"	0.892	ND	41.9	10-145		11.3	30	
4-Chlorophenyl phenyl ether	0.673	0.0893	"	0.892	ND	75.4	14-130		18.1	30	
4-Nitroaniline	0.631	0.178	"	0.892	ND	70.7	10-147		18.4	30	
4-Nitrophenol	0.593	0.178	"	0.892	ND	66.5	10-137			30	
Acenaphthene	0.660	0.0893	"	0.892	ND	74.0	10-146		16.4	30	
Acenaphthylene	0.642	0.0893	"	0.892	ND	71.9	10-134		17.8	30	
Acetophenone	0.528	0.0893	"	0.892	ND	59.1	10-116		18.9	30	
Aniline	0.390	0.358	"	0.892	ND	43.7	10-123		20.4	30	
Anthracene	0.688	0.0893	"	0.892	ND	77.1	10-142		13.1	30	
Atrazine	0.673	0.0893	"	0.892	ND	75.4	19-115		14.9	30	
Benzaldehyde	0.565	0.0893	"	0.892	ND	63.3	10-125		16.0	30	
Benzo(a)anthracene	0.765	0.0893	"	0.892	0.0882	75.9	10-158		16.3	30	
Benzo(a)pyrene	0.888	0.0893	"	0.892	0.111	87.0	10-180		11.5	30	
Benzo(b)fluoranthene	0.942	0.0893	"	0.892	0.102	94.1	10-200		12.4	30	
Benzo(g,h,i)perylene	0.957	0.0893	"	0.892	0.0819	98.0	10-138		17.0	30	
Benzo(k)fluoranthene	0.862	0.0893	"	0.892	0.0735	88.3	10-197		5.01	30	
Benzoic acid	0.153	0.0893	"	0.892	ND	17.1	10-166		23.5	30	
Benzyl alcohol	0.553	0.0893	"	0.892	ND	61.9	12-124		23.0	30	
Benzyl butyl phthalate	0.637	0.0893	"	0.892	ND	71.4	10-154		14.8	30	
Bis(2-chloroethoxy)methane	0.512	0.0893	"	0.892	ND	57.4	10-132		18.8	30	
Bis(2-chloroethyl)ether	0.531	0.0893	"	0.892	ND	59.5	10-119		16.1	30	
Bis(2-chloroisopropyl)ether	0.531	0.0893	"	0.892	ND	59.5	10-139		18.9	30	
Bis(2-ethylhexyl)phthalate	0.708	0.0893	"	0.892	ND	79.4	10-167		12.2	30	
Caprolactam	0.545	0.178	"	0.892	ND	61.0	10-132		19.6	30	
Carbazole	0.655	0.0893	"	0.892	ND	73.4	10-167		11.0	30	
Chrysene	0.735	0.0893	"	0.892	0.0875	72.6	10-156		14.0	30	
Dibenzo(a,h)anthracene	1.02	0.0893	"	0.892	ND	114	10-137		15.3	30	
Dibenzofuran	0.685	0.0893	"	0.892	ND	76.7	10-147		13.5	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21821 - EPA 3546 SVOA											
Matrix Spike Dup (BD21821-M Matrix Spike Dup	*Source sample: 22D1374-04 (Matrix Spike Dup)								Prepared: 05/01/2022 Analyzed: 05/02/2022		
Diethyl phthalate	0.657	0.0893	mg/kg dry	0.892	ND	73.6	20-120		14.7	30	
Dimethyl phthalate	0.660	0.0893	"	0.892	ND	73.9	18-131		17.1	30	
Di-n-butyl phthalate	0.650	0.0893	"	0.892	ND	72.8	10-137		14.0	30	
Di-n-octyl phthalate	0.795	0.0893	"	0.892	ND	89.1	10-180		10.4	30	
Diphenylamine	0.739	0.178	"	0.892	ND	82.8	40-140		14.8	30	
Fluoranthene	0.785	0.0893	"	0.892	0.179	67.9	10-160		12.9	30	
Fluorene	0.678	0.0893	"	0.892	ND	76.0	10-157		15.7	30	
Hexachlorobenzene	0.579	0.0893	"	0.892	ND	64.9	10-137		19.7	30	
Hexachlorobutadiene	0.689	0.0893	"	0.892	ND	77.2	10-132		16.4	30	
Hexachlorocyclopentadiene	0.0650	0.0893	"	0.892	ND	7.28	10-106	Low Bias	33.8	30	Non-dir.
Hexachloroethane	0.554	0.0893	"	0.892	ND	62.1	10-110		18.6	30	
Indeno(1,2,3-cd)pyrene	1.27	0.0893	"	0.892	0.104	131	10-144		15.8	30	
Isophorone	0.539	0.0893	"	0.892	ND	60.4	10-132		18.0	30	
Naphthalene	0.636	0.0893	"	0.892	ND	71.3	10-141		20.1	30	
Nitrobenzene	0.559	0.0893	"	0.892	ND	62.6	10-131		14.1	30	
N-Nitrosodimethylamine	2.19	0.0893	"	0.892	ND	245	10-126	High Bias	20.2	30	
N-nitroso-di-n-propylamine	0.521	0.0893	"	0.892	ND	58.4	10-125		16.9	30	
N-Nitrosodiphenylamine	0.727	0.0893	"	0.892	ND	81.5	10-177		11.9	30	
Pentachlorophenol	0.436	0.0893	"	0.892	ND	48.9	10-153		19.5	30	
Phenanthrene	0.741	0.0893	"	0.892	0.124	69.2	10-148		15.5	30	
Phenol	ND	0.0893	"	0.892	ND		10-126	Low Bias		30	
Pyrene	0.732	0.0893	"	0.892	0.153	64.9	10-165		13.8	30	
Pyridine	1.95	0.358	"	0.892	ND	218	10-83	High Bias	16.7	30	
Surrogate: SURR: 2-Fluorophenol	*1.14*		"	*1.78*		*63.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.11*		"	*1.78*		*62.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.591*		"	*0.892*		*66.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.702*		"	*0.892*		*78.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.99*		"	*1.78*		*112*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.790*		"	*0.892*		*88.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20092 - EPA 3550C											
Blank (BE20092-BLK1) Blank								Prepared & Analyzed: 05/03/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*39-127.5*				
LCS (BE20092-BS1) LCS								Prepared & Analyzed: 05/03/2022			
1,4-Dioxane	480	19.8	ug/kg	495		97.0	40-130				
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*39-127.5*				
Matrix Spike (BE20092-MS1) Matrix Spike *Source sample: 22D1465-20 (Matrix Spike)								Prepared & Analyzed: 05/03/2022			
1,4-Dioxane	466	19.8	ug/kg	495	ND	94.2	40-130				
Surrogate: 1,4-Dioxane-d8	*337*		*"*	*495*		*68.0*	*40-130*				
Matrix Spike Dup (BE20092-M Matrix Spike Dup *Source sample: 22D1465-20 (Matrix Spike Dup)								Prepared & Analyzed: 05/03/2022			
1,4-Dioxane	480	19.8	ug/kg	495	ND	97.0	40-130		2.93	30	
Surrogate: 1,4-Dioxane-d8	*327*		*"*	*495*		*66.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20048 - SPE Ext-PFAS-EPA 537.1M											
Blank (BE20048-BLK1) Blank									Prepared: 05/02/2022 Analyzed: 05/03/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*59.5*		"	*74.3*		*80.0*	*25-150*				
Surrogate: M5PFHxA	*65.2*		"	*80.0*		*81.5*	*25-150*				
Surrogate: M4PFHpA	*81.1*		"	*80.0*		*101*	*25-150*				
Surrogate: M3PFHxS	*71.1*		"	*75.7*		*93.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*63.2*		"	*80.0*		*79.0*	*25-150*				
Surrogate: M6PFDA	*66.3*		"	*80.0*		*82.9*	*25-150*				
Surrogate: M7PFUdA	*73.3*		"	*80.0*		*91.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*66.2*		"	*80.0*		*82.7*	*25-150*				
Surrogate: M2PFTeDA	*69.8*		"	*80.0*		*87.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.6*		"	*80.0*		*80.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.4*		"	*76.6*		*81.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*55.7*		"	*80.0*		*69.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*41.1*		"	*80.0*		*51.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*56.1*		"	*80.0*		*70.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*80.1*		"	*80.0*		*100*	*25-150*				
Surrogate: M2-6:2 FTS	*78.4*		"	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*91.8*		"	*76.6*		*120*	*25-200*				
Surrogate: M9PFNA	*66.6*		"	*80.0*		*83.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20048 - SPE Ext-PFAS-EPA 537.1M											
LCS (BE20048-BS1) LCS								Prepared: 05/02/2022 Analyzed: 05/03/2022			
Perfluorobutanesulfonic acid (PFBS)	75.0	2.00	ng/L	70.8		106	50-130				
Perfluorohexanoic acid (PFHxA)	83.3	2.00	"	80.0		104	50-130				
Perfluoroheptanoic acid (PFHpA)	67.3	2.00	"	80.0		84.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	85.8	2.00	"	72.8		118	50-130				
Perfluorooctanoic acid (PFOA)	88.2	2.00	"	80.0		110	50-130				
Perfluorooctanesulfonic acid (PFOS)	72.4	2.00	"	74.0		97.8	50-130				
Perfluorononanoic acid (PFNA)	78.6	2.00	"	80.0		98.2	50-130				
Perfluorodecanoic acid (PFDA)	80.5	2.00	"	80.0		101	50-130				
Perfluoroundecanoic acid (PFUnA)	80.6	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	80.5	2.00	"	80.0		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	84.5	2.00	"	80.0		106	50-130				
Perfluorotetradecanoic acid (PFTA)	68.1	2.00	"	80.0		85.1	50-130				
N-MeFOSAA	88.2	2.00	"	80.0		110	50-130				
N-EtFOSAA	83.5	2.00	"	80.0		104	50-130				
Perfluoropentanoic acid (PFPeA)	93.2	2.00	"	80.0		117	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	91.1	2.00	"	80.0		114	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.2	2.00	"	76.4		99.7	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	75.9	2.00	"	77.2		98.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	69.4	5.00	"	76.0		91.3	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	82.5	2.00	"	76.8		107	50-175				
Perfluoro-n-butanoic acid (PFBA)	82.2	2.00	"	80.0		103	50-130				
Surrogate: M3PFBS	*59.7*		*"*	*74.3*		*80.3*	*25-150*				
Surrogate: M5PFHxA	*66.3*		*"*	*80.0*		*82.9*	*25-150*				
Surrogate: M4PFHpA	*87.1*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*66.7*		*"*	*75.7*		*88.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*70.8*		*"*	*80.0*		*88.5*	*25-150*				
Surrogate: M6PFDA	*77.8*		*"*	*80.0*		*97.3*	*25-150*				
Surrogate: M7PFUdA	*76.3*		*"*	*80.0*		*95.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.1*		*"*	*80.0*		*90.1*	*25-150*				
Surrogate: M2PFTeDA	*89.4*		*"*	*80.0*		*112*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.9*		*"*	*80.0*		*88.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*73.5*		*"*	*76.6*		*96.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*58.7*		*"*	*80.0*		*73.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*51.8*		*"*	*80.0*		*64.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*71.6*		*"*	*80.0*		*89.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*77.7*		*"*	*80.0*		*97.1*	*25-150*				
Surrogate: M2-6:2 FTS	*74.6*		*"*	*75.9*		*98.3*	*25-200*				
Surrogate: M2-8:2 FTS	*95.2*		*"*	*76.6*		*124*	*25-200*				
Surrogate: M9PFNA	*77.3*		*"*	*80.0*		*96.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20048 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BE20048-BSD1) LCS Dup								Prepared: 05/02/2022 Analyzed: 05/03/2022			
Perfluorobutanesulfonic acid (PFBS)	70.5	2.00	ng/L	70.8		99.6	50-130		6.23	30	
Perfluorohexanoic acid (PFHxA)	78.2	2.00	"	80.0		97.8	50-130		6.24	30	
Perfluoroheptanoic acid (PFHpA)	66.9	2.00	"	80.0		83.6	50-130		0.668	30	
Perfluorohexanesulfonic acid (PFHxS)	81.1	2.00	"	72.8		111	50-130		5.59	30	
Perfluorooctanoic acid (PFOA)	78.4	2.00	"	80.0		97.9	50-130		11.8	30	
Perfluorooctanesulfonic acid (PFOS)	68.8	2.00	"	74.0		93.0	50-130		5.06	30	
Perfluorononanoic acid (PFNA)	76.4	2.00	"	80.0		95.5	50-130		2.81	30	
Perfluorodecanoic acid (PFDA)	73.1	2.00	"	80.0		91.4	50-130		9.68	30	
Perfluoroundecanoic acid (PFUnA)	83.3	2.00	"	80.0		104	50-130		3.28	30	
Perfluorododecanoic acid (PFDoA)	75.8	2.00	"	80.0		94.8	50-130		5.97	30	
Perfluorotridecanoic acid (PFTrDA)	92.3	2.00	"	80.0		115	50-130		8.88	30	
Perfluorotetradecanoic acid (PFTA)	74.5	2.00	"	80.0		93.1	50-130		8.97	30	
N-MeFOSAA	86.0	2.00	"	80.0		107	50-130		2.55	30	
N-EtFOSAA	73.7	2.00	"	80.0		92.2	50-130		12.4	30	
Perfluoropentanoic acid (PFPeA)	89.8	2.00	"	80.0		112	50-130		3.75	30	
Perfluoro-1-octanesulfonamide (FOSA)	94.3	2.00	"	80.0		118	50-130		3.49	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.3	2.00	"	76.4		98.6	50-130		1.12	30	
Perfluoro-1-decanesulfonic acid (PFDS)	73.9	2.00	"	77.2		95.8	50-130		2.65	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	71.0	5.00	"	76.0		93.4	50-175		2.27	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	97.2	2.00	"	76.8		127	50-175		16.3	30	
Perfluoro-n-butanoic acid (PFBA)	78.7	2.00	"	80.0		98.4	50-130		4.27	30	
Surrogate: M3PFBS	*61.2*		*"*	*74.3*		*82.3*	*25-150*				
Surrogate: M5PFHxA	*62.8*		*"*	*80.0*		*78.5*	*25-150*				
Surrogate: M4PFHpA	*79.8*		*"*	*80.0*		*99.8*	*25-150*				
Surrogate: M3PFHxS	*66.4*		*"*	*75.7*		*87.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*70.5*		*"*	*80.0*		*88.2*	*25-150*				
Surrogate: M6PFDA	*75.5*		*"*	*80.0*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*71.6*		*"*	*80.0*		*89.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.1*		*"*	*80.0*		*85.2*	*25-150*				
Surrogate: M2PFTeDA	*68.1*		*"*	*80.0*		*85.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.1*		*"*	*80.0*		*85.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*72.6*		*"*	*76.6*		*94.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*56.7*		*"*	*80.0*		*70.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*44.9*		*"*	*80.0*		*56.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*68.2*		*"*	*80.0*		*85.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*78.9*		*"*	*80.0*		*98.7*	*25-150*				
Surrogate: M2-6:2 FTS	*65.8*		*"*	*75.9*		*86.6*	*25-200*				
Surrogate: M2-8:2 FTS	*81.3*		*"*	*76.6*		*106*	*25-200*				
Surrogate: M9PFNA	*74.1*		*"*	*80.0*		*92.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20084 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BE20084-BLK1) Blank									Prepared: 05/02/2022 Analyzed: 05/05/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.229	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.229	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.229	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.229	"								
Perfluorooctanoic acid (PFOA)	ND	0.229	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.229	"								
Perfluorononanoic acid (PFNA)	ND	0.229	"								
Perfluorodecanoic acid (PFDA)	ND	0.229	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.229	"								
Perfluorododecanoic acid (PFDoA)	ND	0.229	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.229	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.229	"								
N-MeFOSAA	ND	0.229	"								
N-EtFOSAA	ND	0.229	"								
Perfluoropentanoic acid (PFPeA)	ND	0.229	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.229	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.229	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.229	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.229	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.229	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.229	"								
Surrogate: M3PFBS	*3.69*		"	*4.26*		*86.6*	*25-150*				
Surrogate: M5PFHxA	*4.24*		"	*4.59*		*92.4*	*25-150*				
Surrogate: M4PFHpA	*4.64*		"	*4.59*		*101*	*25-150*				
Surrogate: M3PFHxS	*3.99*		"	*4.34*		*91.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.87*		"	*4.59*		*106*	*25-150*				
Surrogate: M6PFDA	*4.33*		"	*4.59*		*94.4*	*25-150*				
Surrogate: M7PFUdA	*3.69*		"	*4.59*		*80.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.48*		"	*4.59*		*75.9*	*25-150*				
Surrogate: M2PFTeDA	*3.33*		"	*4.59*		*72.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.98*		"	*4.59*		*86.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.53*		"	*4.39*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.07*		"	*4.59*		*88.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.98*		"	*4.59*		*64.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.85*		"	*4.59*		*83.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.28*		"	*4.59*		*93.2*	*25-150*				
Surrogate: M2-6:2 FTS	*3.12*		"	*4.36*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*7.26*		"	*4.40*		*165*	*25-200*				
Surrogate: M9PFNA	*4.61*		"	*4.59*		*100*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20084 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BE20084-BS1) LCS									Prepared: 05/02/2022 Analyzed: 05/05/2022		
Perfluorobutanesulfonic acid (PFBS)	4.18	0.236	ug/kg wet	4.18		100	50-130				
Perfluorohexanoic acid (PFHxA)	4.26	0.236	"	4.72		90.1	50-130				
Perfluoroheptanoic acid (PFHpA)	4.44	0.236	"	4.72		94.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.67	0.236	"	4.30		109	50-130				
Perfluorooctanoic acid (PFOA)	4.15	0.236	"	4.72		87.8	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.62	0.236	"	4.37		106	50-130				
Perfluorononanoic acid (PFNA)	4.69	0.236	"	4.72		99.2	50-130				
Perfluorodecanoic acid (PFDA)	4.10	0.236	"	4.72		86.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.31	0.236	"	4.72		91.3	50-130				
Perfluorododecanoic acid (PFDoA)	4.53	0.236	"	4.72		95.9	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.19	0.236	"	4.72		88.7	50-130				
Perfluorotetradecanoic acid (PFTA)	4.30	0.236	"	4.72		91.1	50-130				
N-MeFOSAA	4.29	0.236	"	4.72		90.7	50-130				
N-EtFOSAA	4.58	0.236	"	4.72		96.9	50-130				
Perfluoropentanoic acid (PFPeA)	4.43	0.236	"	4.72		93.8	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.84	0.236	"	4.72		102	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.93	0.236	"	4.51		87.1	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.46	0.236	"	4.56		75.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.11	0.236	"	4.49		91.6	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.52	0.236	"	4.53		77.7	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.53	0.236	"	4.72		95.9	50-130				
Surrogate: M3PFBS	*4.09*		*"*	*4.39*		*93.2*	*25-150*				
Surrogate: M5PFHxA	*4.69*		*"*	*4.72*		*99.3*	*25-150*				
Surrogate: M4PFHpA	*4.53*		*"*	*4.72*		*95.9*	*25-150*				
Surrogate: M3PFHxS	*4.53*		*"*	*4.47*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.97*		*"*	*4.72*		*105*	*25-150*				
Surrogate: M6PFDA	*4.82*		*"*	*4.72*		*102*	*25-150*				
Surrogate: M7PFUdA	*3.99*		*"*	*4.72*		*84.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.76*		*"*	*4.72*		*79.6*	*25-150*				
Surrogate: M2PFTeDA	*3.64*		*"*	*4.72*		*77.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.27*		*"*	*4.72*		*90.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.45*		*"*	*4.52*		*98.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.39*		*"*	*4.72*		*93.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.33*		*"*	*4.72*		*70.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.60*		*"*	*4.72*		*97.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.02*		*"*	*4.72*		*85.1*	*25-150*				
Surrogate: M2-6:2 FTS	*4.36*		*"*	*4.48*		*97.2*	*25-200*				
Surrogate: M2-8:2 FTS	*7.57*		*"*	*4.52*		*167*	*25-200*				
Surrogate: M9PFNA	*4.29*		*"*	*4.72*		*90.7*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21820 - EPA 3550C											
Blank (BD21820-BLK1) Blank									Prepared: 04/30/2022 Analyzed: 05/02/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0409*		*"*	*0.0664*		*61.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0434*		*"*	*0.0664*		*65.3*	*30-150*				
LCS (BD21820-BS1) LCS									Prepared: 04/30/2022 Analyzed: 05/02/2022		
4,4'-DDD	0.0246	0.00164	mg/kg wet	0.0332		74.2	40-140				
4,4'-DDE	0.0238	0.00164	"	0.0332		71.6	40-140				
4,4'-DDT	0.0171	0.00164	"	0.0332		51.4	40-140				
Aldrin	0.0262	0.00164	"	0.0332		78.9	40-140				
alpha-BHC	0.0248	0.00164	"	0.0332		74.7	40-140				
alpha-Chlordane	0.0257	0.00164	"	0.0332		77.3	40-140				
beta-BHC	0.0224	0.00164	"	0.0332		67.5	40-140				
delta-BHC	0.0227	0.00164	"	0.0332		68.3	40-140				
Dieldrin	0.0254	0.00164	"	0.0332		76.4	40-140				
Endosulfan I	0.0266	0.00164	"	0.0332		80.0	40-140				
Endosulfan II	0.0260	0.00164	"	0.0332		78.3	40-140				
Endosulfan sulfate	0.0242	0.00164	"	0.0332		72.8	40-140				
Endrin	0.0223	0.00164	"	0.0332		67.1	40-140				
Endrin aldehyde	0.0220	0.00164	"	0.0332		66.2	40-140				
Endrin ketone	0.0262	0.00164	"	0.0332		78.8	40-140				
gamma-BHC (Lindane)	0.0245	0.00164	"	0.0332		73.7	40-140				
gamma-Chlordane	0.0250	0.00164	"	0.0332		75.2	40-140				
Heptachlor	0.0238	0.00164	"	0.0332		71.5	40-140				
Heptachlor epoxide	0.0263	0.00164	"	0.0332		79.2	40-140				
Methoxychlor	0.0201	0.00164	"	0.0332		60.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0618*		*"*	*0.0664*		*93.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0656*		*"*	*0.0664*		*98.8*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21820 - EPA 3550C											
Blank (BD21820-BLK2) Blank									Prepared: 04/30/2022 Analyzed: 05/02/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0498*		"	*0.0664*		*75.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0495*		"	*0.0664*		*74.5*	*30-150*				
LCS (BD21820-BS2) LCS									Prepared: 04/30/2022 Analyzed: 05/02/2022		
Aroclor 1016	0.232	0.0166	mg/kg wet	0.332		70.0	40-140			30	
Aroclor 1260	0.235	0.0166	"	0.332		70.7	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0611*		"	*0.0664*		*92.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0498*		"	*0.0664*		*75.0*	*30-150*				
Matrix Spike (BD21820-MS2) Matrix Spike *Source sample: 22D1406-07 (Matrix Spike)									Prepared: 04/30/2022 Analyzed: 05/03/2022		
Aroclor 1016	0.156	0.0167	mg/kg dry	0.334	ND	46.6	40-140			30	
Aroclor 1260	0.212	0.0167	"	0.334	ND	63.5	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0579*		"	*0.0669*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0502*		"	*0.0669*		*75.0*	*30-150*				
Matrix Spike Dup (BD21820-M Matrix Spike Dup *Source sample: 22D1406-07 (Matrix Spike Dup)									Prepared: 04/30/2022 Analyzed: 05/03/2022		
Aroclor 1016	0.123	0.0167	mg/kg dry	0.334	ND	36.7	40-140	Low Bias	23.8	30	
Aroclor 1260	0.167	0.0167	"	0.334	ND	49.9	40-140		24.0	30	
Surrogate: Tetrachloro-m-xylene	*0.0475*		"	*0.0669*		*71.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0472*		"	*0.0669*		*70.5*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20056 - EPA 3550C/8151A											
Blank (BE20056-BLK1) Blank									Prepared: 05/02/2022 Analyzed: 05/03/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.306*		*"*	*0.415*		*73.6*	*21-150*				
LCS (BE20056-BS1) LCS									Prepared: 05/02/2022 Analyzed: 05/03/2022		
2,4,5-T	0.0756	0.0199	mg/kg wet	0.133		56.9	10-120				
2,4,5-TP (Silvex)	0.0847	0.0199	"	0.133		63.7	10-120				
2,4-D	0.0872	0.0199	"	0.133		65.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.316*		*"*	*0.415*		*76.2*	*21-150*				
Matrix Spike (BE20056-MS1) Matrix Spike *Source sample: 22D1277-03 (Matrix Spike)									Prepared: 05/02/2022 Analyzed: 05/03/2022		
2,4,5-T	0.0836	0.0221	mg/kg dry	0.147	ND	56.9	10-120				
2,4,5-TP (Silvex)	0.0772	0.0221	"	0.147	ND	52.5	10-120				
2,4-D	0.0901	0.0221	"	0.147	ND	61.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.305*		*"*	*0.460*		*66.4*	*21-150*				
Matrix Spike Dup (BE20056-M Matrix Spike Dup *Source sample: 22D1277-03 (Matrix Spike Dup)									Prepared: 05/02/2022 Analyzed: 05/03/2022		
2,4,5-T	0.0882	0.0221	mg/kg dry	0.147	ND	60.0	10-120		5.35	35	
2,4,5-TP (Silvex)	0.0901	0.0221	"	0.147	ND	61.2	10-120		15.4	35	
2,4-D	0.107	0.0221	"	0.147	ND	72.5	10-118		16.8	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.334*		*"*	*0.460*		*72.6*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20087 - EPA 3050B											
Blank (BE20087-BLK1) Blank									Prepared: 05/02/2022 Analyzed: 05/03/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	0.508	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	11.0	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BE20087-DUP1) Duplicate	*Source sample: 22D1462-02 (EP63_7.5)								Prepared: 05/02/2022 Analyzed: 05/03/2022		
Aluminum	5280	5.96	mg/kg dry		7380				33.3	35	
Antimony	ND	2.98	"		ND					35	
Arsenic	5.18	1.79	"		5.62				8.03	35	
Barium	198	2.98	"		160				20.9	35	
Beryllium	ND	0.060	"		ND					35	
Cadmium	0.413	0.358	"		0.601				37.0	35	Non-dir.
Calcium	7630	5.96	"		9200				18.6	35	
Chromium	46.3	0.596	"		34.1				30.2	35	
Cobalt	13.9	0.477	"		15.8				12.6	35	
Copper	49.4	2.38	"		88.3				56.5	35	Non-dir.
Iron	15800	29.8	"		21200				29.1	35	
Lead	381	0.596	"		349				8.80	35	
Magnesium	12600	5.96	"		11900				5.28	35	
Manganese	219	0.596	"		228				3.71	35	
Nickel	185	1.19	"		184				0.139	35	
Potassium	771	5.96	"		933				19.0	35	
Selenium	ND	2.98	"		ND					35	
Silver	ND	0.596	"		ND					35	
Sodium	184	59.6	"		402				74.3	35	Non-dir.
Thallium	ND	2.98	"		ND					35	
Vanadium	19.7	1.19	"		28.0				34.9	35	
Zinc	345	2.98	"		484				33.7	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20087 - EPA 3050B											
Matrix Spike (BE20087-MS1) Matrix Spike	*Source sample: 22D1462-02 (EP63_7.5)							Prepared: 05/02/2022 Analyzed: 05/03/2022			
Aluminum	8170	5.96	mg/kg dry	238	7380	331	75-125	High Bias			
Antimony	8.62	2.98	"	29.8	ND	28.9	75-125	Low Bias			
Arsenic	242	1.79	"	238	5.62	99.3	75-125				
Barium	382	2.98	"	238	160	92.9	75-125				
Beryllium	6.12	0.060	"	5.96	ND	103	75-125				
Cadmium	6.64	0.358	"	5.96	0.601	101	75-125				
Calcium	22100	5.96	"	119	9200	NR	75-125	High Bias			
Chromium	70.6	0.596	"	23.8	34.1	153	75-125	High Bias			
Cobalt	80.9	0.477	"	59.6	15.8	109	75-125				
Copper	88.2	2.38	"	29.8	88.3	NR	75-125	Low Bias			
Iron	21600	29.8	"	119	21200	333	75-125	High Bias			
Lead	366	0.596	"	59.6	349	28.6	75-125	Low Bias			
Magnesium	21600	5.96	"	119	11900	NR	75-125	High Bias			
Manganese	302	0.596	"	59.6	228	125	75-125				
Nickel	357	1.19	"	59.6	184	290	75-125	High Bias			
Potassium	1210	5.96	"	119	933	231	75-125	High Bias			
Selenium	202	2.98	"	238	ND	84.9	75-125				
Silver	4.35	0.596	"	5.96	ND	72.9	75-125	Low Bias			
Sodium	394	59.6	"	119	402	NR	75-125	Low Bias			
Thallium	264	2.98	"	238	ND	111	75-125				
Vanadium	90.4	1.19	"	59.6	28.0	105	75-125				
Zinc	726	2.98	"	59.6	484	406	75-125	High Bias			
Post Spike (BE20087-PS1) Post Spike	*Source sample: 22D1462-02 (EP63_7.5)							Prepared: 05/02/2022 Analyzed: 05/03/2022			
Aluminum	64.6		ug/mL	2.00	61.9	136	75-125	High Bias			
Antimony	0.287		"	0.250	0.018	108	75-125				
Arsenic	2.04		"	2.00	0.047	99.9	75-125				
Barium	3.54		"	2.00	1.34	110	75-125				
Beryllium	0.051		"	0.0500	-0.0004	103	75-125				
Cadmium	0.054		"	0.0500	0.005	98.1	75-125				
Calcium	78.9		"	1.00	77.2	177	75-125	High Bias			
Chromium	0.495		"	0.200	0.286	105	75-125				
Cobalt	0.658		"	0.500	0.132	105	75-125				
Copper	1.02		"	0.250	0.741	111	75-125				
Iron	181		"	1.00	178	325	75-125	High Bias			
Lead	3.47		"	0.500	2.92	109	75-125				
Magnesium	102		"	1.00	99.9	221	75-125	High Bias			
Manganese	2.47		"	0.500	1.91	112	75-125				
Nickel	2.10		"	0.500	1.55	112	75-125				
Potassium	9.03		"	1.00	7.83	120	75-125				
Selenium	1.67		"	2.00	-0.063	83.4	75-125				
Silver	0.035		"	0.0500	-0.012	69.1	75-125	Low Bias			
Sodium	4.44		"	1.00	3.37	107	75-125				
Thallium	2.23		"	2.00	-0.066	111	75-125				
Vanadium	0.765		"	0.500	0.235	106	75-125				
Zinc	4.61		"	0.500	4.06	109	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20087 - EPA 3050B											
Reference (BE20087-SRM1) Reference								Prepared: 05/02/2022 Analyzed: 05/03/2022			
Aluminum	8450	5.00	mg/kg wet	10100		83.7	39.5-118.8				
Antimony	85.9	2.50	"	244		35.2	10-123				
Arsenic	110	1.50	"	109		101	63.7-118.3				
Barium	400	2.50	"	364		110	70.3-117				
Beryllium	61.6	0.050	"	57.0		108	69.3-115.4				
Cadmium	48.5	0.300	"	48.7		99.7	67.8-112.9				
Calcium	5250	5.00	"	5190		101	66.3-116.6				
Chromium	181	0.500	"	173		105	65.3-120.8				
Cobalt	163	0.400	"	148		110	70.3-117.6				
Copper	201	2.00	"	179		112	70.9-117.9				
Iron	14600	25.0	"	15000		97.5	36.8-162.7				
Lead	105	0.500	"	101		104	69.1-126.7				
Magnesium	2460	5.00	"	2570		95.8	56.4-124.9				
Manganese	411	0.500	"	370		111	72.2-119.2				
Nickel	64.4	1.00	"	52.2		123	63.4-117.8	High Bias			
Potassium	2180	5.00	"	2420		90.2	49.6-118.6				
Selenium	76.6	2.50	"	104		73.6	58.5-122.1				
Silver	26.9	0.500	"	29.9		89.8	63.5-123.7				
Sodium	138	50.0	"	161		86.0	30.1-139.1				
Thallium	104	2.50	"	101		103	59.8-120.8				
Vanadium	198	1.00	"	194		102	73.2-117				
Zinc	449	2.50	"	431		104	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20088 - EPA 7473 soil											
Blank (BE20088-BLK1) Blank								Prepared & Analyzed: 05/02/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BE20088-DUP1) Duplicate	*Source sample: 22D1332-01 (Duplicate)							Prepared & Analyzed: 05/02/2022			
Mercury	0.199	0.0374	mg/kg dry		0.363				58.4	35	Non-dir.
Matrix Spike (BE20088-MS1) Matrix Spike	*Source sample: 22D1332-01 (Matrix Spike)							Prepared & Analyzed: 05/02/2022			
Mercury	0.639		mg/kg	0.500	0.291	69.7	75-125	Low Bias			
Reference (BE20088-SRM1) Reference								Prepared & Analyzed: 05/02/2022			
Mercury	23.985		mg/kg	27.2		88.2	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20026 - Analysis Preparation Soil												
Blank (BE20026-BLK1)	Blank								Prepared & Analyzed: 05/02/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BE20026-DUP1)	Duplicate	*Source sample: 22D1277-01 (Duplicate)							Prepared & Analyzed: 05/02/2022			
Cyanide, total		ND	0.550	mg/kg dry		ND					15	
Matrix Spike (BE20026-MS1)	Matrix Spike	*Source sample: 22D1277-01 (Matrix Spike)							Prepared & Analyzed: 05/02/2022			
Cyanide, total		7.59	0.550	mg/kg dry	11.0	ND	69.1	79.6-107	Low Bias			
Reference (BE20026-SRM1)	Reference								Prepared & Analyzed: 05/02/2022			
Cyanide, total		83.9		ug/mL	86.8		96.6	41.82-157.83				
Batch BE20070 - EPA SW846-3060												
Blank (BE20070-BLK1)	Blank								Prepared & Analyzed: 05/02/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BE20070-DUP1)	Duplicate	*Source sample: 22D1462-02 (EP63_7.5)							Prepared & Analyzed: 05/02/2022			
Chromium, Hexavalent		ND	0.596	mg/kg dry		ND					35	
Matrix Spike (BE20070-MS1)	Matrix Spike	*Source sample: 22D1462-02 (EP63_7.5)							Prepared & Analyzed: 05/02/2022			
Chromium, Hexavalent		25.0	0.596	mg/kg dry	23.8	ND	105	75-125				
Reference (BE20070-SRM1)	Reference								Prepared & Analyzed: 05/02/2022			
Chromium, Hexavalent		104		mg/L	109		95.3	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20023 - % Solids Prep											
Duplicate (BE20023-DUP1) Duplicate	*Source sample: 22D1462-02 (EP63_7.5)								Prepared & Analyzed: 05/02/2022		
% Solids	84.9	0.100	%		83.9				1.22	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D1462-01	EP62_7.5	40mL Vial with Stir Bar-Cool 4° C
22D1462-02	EP63_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22D1462

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170401601	RUSH - Next Day
Address: 360 W. 31st St 8th floor, New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: Ksemon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Alex Nolan

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP62_7.5	S	04/29/22 08:55	TCL/Part 375 VOCs, SVOCs, PCBs, Pesticides, herbicides, metals including cyanide, hex + trivalent chromium, PFAS, 1-4 dioxane	
EP63_7.5	S	09:00		
FB01_PFAS_04292022		09:15	PFAS	

Comments: Please include Lesnail@langan.com & maronica@langan.com for all correspondence

Samples Recollected at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Langan	04/29/22 1637	York Labs	4/29/22 1637	York Labs	4/29/22 1800
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
	4/29/22 1880		4/29/22 2115		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					4/29/22 2115 4.5

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0085

Report Date: 05/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0085

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 03, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0085-01	EP71_7.5	Soil	05/03/2022	05/03/2022
22E0085-02	EP72_7.5	Soil	05/03/2022	05/03/2022
22E0085-03	EP66_-1.5	Soil	05/03/2022	05/03/2022
22E0085-04	EP67_-1.5	Soil	05/03/2022	05/03/2022
22E0085-05	FB01_PFAS_05032022	Water	05/03/2022	05/03/2022

General Notes for York Project (SDG) No.: 22E0085

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/09/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0046**	CCV-E, J	mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.020**		mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/05/2022 06:35	05/05/2022 11:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.214**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.484**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.449**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.384**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.218**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.362**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.0920**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.131**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.458**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0891**	J	mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0913	0.182	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.22**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.0803**	J	mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.269**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.989**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.02**		mg/kg dry	0.0458	0.0913	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D	05/04/2022 07:54	05/04/2022 21:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*63.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*57.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*90.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*66.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*93.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.9 %*	*24-116*

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/05/2022 07:49	05/05/2022 16:44	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**0.274**		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.707**		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 16:48	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*104 %*		*25-150*
Surrogate: M5PFHxA	*103 %*		*25-150*
Surrogate: M4PFHpA	*94.9 %*		*25-150*
Surrogate: M3PFHxS	*106 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*109 %*		*25-150*
Surrogate: M6PFDA	*96.7 %*		*25-150*
Surrogate: M7PFUdA	*84.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*77.9 %*		*25-150*
Surrogate: M2PFTeDA	*62.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*107 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*98.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*100 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.2 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*99.7 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*115 %*		*25-150*
Surrogate: M2-6:2 FTS	*123 %*		*25-200*
Surrogate: M2-8:2 FTS	*206 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*102 %*		*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:21	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:21	CM
50-29-3	**4,4'-DDT**	**0.00674**		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:21	CM

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:21	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.5 %*	*30-150*

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A	05/04/2022 07:49	05/05/2022 01:50	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:03	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*67.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7280**		mg/kg dry	5.58	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.57**		mg/kg dry	1.68	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**171**		mg/kg dry	2.79	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.846**		mg/kg dry	0.335	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**14500**		mg/kg dry	5.58	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**55.7**		mg/kg dry	0.558	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.1**		mg/kg dry	0.447	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**89.3**		mg/kg dry	2.23	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**31300**		mg/kg dry	27.9	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**415**		mg/kg dry	0.558	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**10300**		mg/kg dry	5.58	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**335**		mg/kg dry	0.558	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**134**		mg/kg dry	1.12	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1300**	B	mg/kg dry	5.58	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**393**		mg/kg dry	55.8	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.0**		mg/kg dry	1.12	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**313**		mg/kg dry	2.79	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:22	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP71_7.5 **York Sample ID:** 22E0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:05 am	05/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.25**		mg/kg dry	0.0335	1	EPA 7473	05/05/2022 10:29	05/05/2022 17:50	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	05/04/2022 09:31	05/04/2022 17:03	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**55.7**		mg/kg	0.500	1	Calculation	05/09/2022 15:31	05/09/2022 17:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C	05/04/2022 08:50	05/04/2022 14:15	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	05/04/2022 14:20	05/04/2022 16:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0067**	J, CCV-E	mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.024**	QM-07, QR-03	mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:24	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.0516**	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.0539**	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*50.4 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*70.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*69.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.6 %*	*24-116*

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/05/2022 07:49	05/05/2022 17:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.614**		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:01	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.9 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*84.2 %*	*25-150*
Surrogate: M3PFHxS	*94.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*	*25-150*
Surrogate: M6PFDA	*76.7 %*	*25-150*
Surrogate: M7PFUdA	*73.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.4 %*	*25-150*
Surrogate: M2PFTeDA	*41.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*100 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*91.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*70.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*83.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*79.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*86.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*152 %*	*25-200*
Surrogate: M9PFNA	*84.0 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:38	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:38	CM
50-29-3	**4,4'-DDT**	**0.00284**		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:38	CM

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:38	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*87.2 %*	*30-150*

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:04	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*98.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*104 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:14	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*65.8 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7300**		mg/kg dry	5.64	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.45**		mg/kg dry	1.69	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**92.8**		mg/kg dry	2.82	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.339	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**5540**		mg/kg dry	5.64	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.2**		mg/kg dry	0.564	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.7**		mg/kg dry	0.451	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.2**		mg/kg dry	2.26	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17500**		mg/kg dry	28.2	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**188**		mg/kg dry	0.564	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7290**		mg/kg dry	5.64	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**253**		mg/kg dry	0.564	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**172**		mg/kg dry	1.13	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1180**	B	mg/kg dry	5.64	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**269**		mg/kg dry	56.4	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**23.9**		mg/kg dry	1.13	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**118**		mg/kg dry	2.82	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP72_7.5 **York Sample ID:** 22E0085-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:00 am	05/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.921**		mg/kg dry	0.0339	1	EPA 7473	05/05/2022 10:29	05/05/2022 18:03	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.564	1	EPA 7196A	05/04/2022 09:31	05/04/2022 17:03	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.2**		mg/kg	0.500	1	Calculation	05/09/2022 15:31	05/09/2022 17:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.564	1	EPA 9014/9010C	05/04/2022 08:50	05/04/2022 14:15	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.6**		%	0.100	1	SM 2540G	05/04/2022 14:20	05/04/2022 16:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.077	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0040**	J, CCV-E	mg/kg dry	0.0038	0.0077	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.034**	QM-07, QR-03	mg/kg dry	0.0038	0.0077	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	05/04/2022 06:09	05/04/2022 14:50	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D	05/04/2022 07:54	05/04/2022 22:44	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*62.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*54.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*86.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*79.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*68.4 %*	*24-116*

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/05/2022 07:49	05/05/2022 17:18	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*98.6 %*	*25-150*
Surrogate: M5PFHxA	*106 %*	*25-150*
Surrogate: M4PFHpA	*101 %*	*25-150*
Surrogate: M3PFHxS	*97.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*115 %*	*25-150*
Surrogate: M6PFDA	*97.5 %*	*25-150*
Surrogate: M7PFUdA	*86.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*83.4 %*	*25-150*
Surrogate: M2PFTeDA	*58.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*109 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*114 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*102 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*89.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*102 %*	*25-150*
Surrogate: M2-6:2 FTS	*88.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*133 %*	*25-200*
Surrogate: M9PFNA	*104 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:55	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:55	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 16:55	CM

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0379	5	EPA 8081B	05/04/2022 07:49	05/05/2022 16:55	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.0 %*	*30-150*

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:17	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*104 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*99.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0231	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:24	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*76.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6100**		mg/kg dry	5.84	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.92	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.78**		mg/kg dry	1.75	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**40.0**		mg/kg dry	2.92	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.350	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1290**		mg/kg dry	5.84	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.9**		mg/kg dry	0.584	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.44**		mg/kg dry	0.467	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**27.1**		mg/kg dry	2.34	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14200**		mg/kg dry	29.2	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**4.80**		mg/kg dry	0.584	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4570**		mg/kg dry	5.84	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**245**		mg/kg dry	0.584	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**117**		mg/kg dry	1.17	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1350**	B	mg/kg dry	5.84	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.584	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**135**		mg/kg dry	58.4	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.92	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.0**		mg/kg dry	1.17	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**26.6**		mg/kg dry	2.92	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:27	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP66_-1.5 **York Sample ID:** 22E0085-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:10 am	05/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0350	1	EPA 7473	05/05/2022 10:29	05/05/2022 18:12	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.584	1	EPA 7196A	05/04/2022 09:31	05/04/2022 17:03	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.9**		mg/kg	0.500	1	Calculation	05/09/2022 15:31	05/09/2022 17:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.584	1	EPA 9014/9010C	05/04/2022 08:50	05/04/2022 14:15	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.6**		%	0.100	1	SM 2540G	05/04/2022 14:20	05/04/2022 16:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0066**	CCV-E, J	mg/kg dry	0.0038	0.0076	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.035**	QM-07, QR-03	mg/kg dry	0.0038	0.0076	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	05/04/2022 06:09	05/04/2022 15:15	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.199	0.397	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.397	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.397	2	EPA 8270D	05/04/2022 07:54	05/04/2022 23:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*53.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*48.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*68.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*73.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.8 %*	*24-116*

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/05/2022 07:49	05/05/2022 17:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/04/2022 17:00	05/06/2022 17:27	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*97.6 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*108 %*	*25-150*
Surrogate: M3PFHxS	*94.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*118 %*	*25-150*
Surrogate: M6PFDA	*97.0 %*	*25-150*
Surrogate: M7PFUdA	*90.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*80.9 %*	*25-150*
Surrogate: M2PFTeDA	*70.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*112 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*100 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*105 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*70.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*99.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*78.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*93.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*154 %*	*25-200*
Surrogate: M9PFNA	*113 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 17:12	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 17:12	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2022 07:49	05/05/2022 17:12	CM

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.194	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0387	5	EPA 8081B	05/04/2022 07:49	05/05/2022 17:12	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.8 %*	*30-150*

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A	05/04/2022 07:49	05/05/2022 02:31	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*96.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*95.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0236	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:35	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0236	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:35	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0236	1	EPA 8151A	05/04/2022 13:14	05/05/2022 17:35	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*76.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8660**		mg/kg dry	6.03	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.01	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.81	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**46.1**		mg/kg dry	3.01	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1070**		mg/kg dry	6.03	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**34.2**		mg/kg dry	0.603	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.6**		mg/kg dry	0.482	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**30.2**		mg/kg dry	2.41	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16900**		mg/kg dry	30.1	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.91**		mg/kg dry	0.603	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3190**		mg/kg dry	6.03	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**279**		mg/kg dry	0.603	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**146**		mg/kg dry	1.21	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1150**	B	mg/kg dry	6.03	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.603	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**122**		mg/kg dry	60.3	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.01	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.7**		mg/kg dry	1.21	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**27.8**		mg/kg dry	3.01	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:29	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP67_-1.5 **York Sample ID:** 22E0085-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Soil	May 3, 2022 10:15 am	05/03/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0362	1	EPA 7473	05/05/2022 10:29	05/05/2022 18:22	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.603	1	EPA 7196A	05/04/2022 09:31	05/04/2022 17:03	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**34.2**		mg/kg	0.500	1	Calculation	05/09/2022 15:31	05/09/2022 17:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.603	1	EPA 9014/9010C	05/04/2022 08:50	05/04/2022 14:15	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.0**		%	0.100	1	SM 2540G	05/04/2022 14:20	05/04/2022 16:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: FB01_PFAS_05032022 **York Sample ID:** 22E0085-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Water	May 3, 2022 10:45 am	05/03/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	05/04/2022 11:07	05/05/2022 02:25	WL

Sample Information

Client Sample ID: FB01_PFAS_05032022 **York Sample ID:** 22E0085-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0085	170610601	Water	May 3, 2022 10:45 am	05/03/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m	05/04/2022 11:07	05/05/2022 02:25	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*95.1 %*	*25-150*
Surrogate: M5PFHxA	*96.4 %*	*25-150*
Surrogate: M4PFHpA	*100 %*	*25-150*
Surrogate: M3PFHxS	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*107 %*	*25-150*
Surrogate: M6PFDA	*90.8 %*	*25-150*
Surrogate: M7PFUdA	*89.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*80.0 %*	*25-150*
Surrogate: M2PFTeDA	*68.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*88.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*103 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*49.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*82.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*74.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*93.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*165 %*	*25-200*
Surrogate: M9PFNA	*90.1 %*	*25-150*

Analytical Batch Summary

Batch ID: BE20099 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20099-BLK1	Blank	05/04/22
BE20099-BLK2	Blank	05/04/22
BE20099-BLK3	Blank	05/04/22
BE20099-BLK4	Blank	05/04/22
BE20099-BS1	LCS	05/04/22
BE20099-BSD1	LCS Dup	05/04/22
BE20099-MS1	Matrix Spike	05/04/22
BE20099-MS2	Matrix Spike	05/04/22
BE20099-MSD1	Matrix Spike Dup	05/04/22
BE20099-MSD2	Matrix Spike Dup	05/04/22

Batch ID: BE20181 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20181-BLK1	Blank	05/04/22
BE20181-BLK2	Blank	05/04/22
BE20181-BS1	LCS	05/04/22
BE20181-BS2	LCS	05/04/22
BE20181-MS2	Matrix Spike	05/04/22
BE20181-MSD2	Matrix Spike Dup	05/04/22

Batch ID: BE20183 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20183-BLK1	Blank	05/04/22
BE20183-BS1	LCS	05/04/22
BE20183-MS1	Matrix Spike	05/04/22
BE20183-MSD1	Matrix Spike Dup	05/04/22

Batch ID: BE20191 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20191-BLK1	Blank	05/04/22
BE20191-DUP1	Duplicate	05/04/22
BE20191-MS1	Matrix Spike	05/04/22
BE20191-SRM1	Reference	05/04/22

Batch ID: BE20199 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20199-BLK1	Blank	05/04/22
BE20199-DUP1	Duplicate	05/04/22
BE20199-MS1	Matrix Spike	05/04/22
BE20199-SRM1	Reference	05/04/22

Batch ID: BE20209 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-05	FB01_PFAS_05032022	05/04/22
BE20209-BLK1	Blank	05/04/22
BE20209-BS1	LCS	05/04/22
BE20209-BSD1	LCS Dup	05/04/22

Batch ID: BE20226 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20226-BLK1	Blank	05/04/22
BE20226-BS1	LCS	05/04/22
BE20226-MS1	Matrix Spike	05/04/22
BE20226-MSD1	Matrix Spike Dup	05/04/22

Batch ID: BE20238 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22

22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20238-DUP1	Duplicate	05/04/22

Batch ID: BE20241 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/05/22
BE20241-BLK1	Blank	05/05/22
BE20241-BLK2	Blank	05/05/22
BE20241-BLK3	Blank	05/05/22
BE20241-BLK4	Blank	05/05/22
BE20241-BS1	LCS	05/05/22
BE20241-BSD1	LCS Dup	05/05/22

Batch ID: BE20246 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/04/22
22E0085-02	EP72_7.5	05/04/22
22E0085-03	EP66_-1.5	05/04/22
22E0085-04	EP67_-1.5	05/04/22
BE20246-BLK1	Blank	05/04/22
BE20246-BS1	LCS	05/04/22
BE20246-MS1	Matrix Spike	05/04/22
BE20246-MSD1	Matrix Spike Dup	05/04/22

Batch ID: BE20260 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/05/22
22E0085-02	EP72_7.5	05/05/22
22E0085-03	EP66_-1.5	05/05/22
22E0085-04	EP67_-1.5	05/05/22
BE20260-BLK1	Blank	05/05/22
BE20260-BS1	LCS	05/05/22
BE20260-MS1	Matrix Spike	05/05/22
BE20260-MSD1	Matrix Spike Dup	05/05/22

Batch ID: BE20288 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/05/22
22E0085-02	EP72_7.5	05/05/22
22E0085-03	EP66_-1.5	05/05/22
22E0085-04	EP67_-1.5	05/05/22
BE20288-BLK1	Blank	05/05/22
BE20288-DUP1	Duplicate	05/05/22
BE20288-MS1	Matrix Spike	05/05/22

BE20288-SRM1	Reference	05/05/22

Batch ID: BE20421 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/07/22
22E0085-02	EP72_7.5	05/07/22
22E0085-03	EP66_-1.5	05/07/22
22E0085-04	EP67_-1.5	05/07/22
BE20421-BLK1	Blank	05/07/22
BE20421-DUP1	Duplicate	05/07/22
BE20421-MS1	Matrix Spike	05/07/22
BE20421-PS1	Post Spike	05/07/22
BE20421-SRM1	Reference	05/07/22

Batch ID: BE20494 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22E0085-01	EP71_7.5	05/09/22
22E0085-02	EP72_7.5	05/09/22
22E0085-03	EP66_-1.5	05/09/22
22E0085-04	EP67_-1.5	05/09/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Blank (BE20099-BLK1) Blank									Prepared & Analyzed: 05/04/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Blank (BE20099-BLK1) Blank								Prepared & Analyzed: 05/04/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.8*		*ug/L*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.6*		*"*	*50.0*		*95.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				
Blank (BE20099-BLK2) Blank								Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Blank (BE20099-BLK2) Blank									Prepared & Analyzed: 05/04/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.1*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE20099 - EPA 5035A

Blank (BE20099-BLK3) Blank — Prepared & Analyzed: 05/04/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Blank (BE20099-BLK3) Blank								Prepared & Analyzed: 05/04/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*76-130*				
Blank (BE20099-BLK4) Blank								Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Blank (BE20099-BLK4) Blank									Prepared & Analyzed: 05/04/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.0*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.1*		*"*	*50.0*		*96.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.4*		*"*	*50.0*		*107*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
LCS (BE20099-BS1) LCS							Prepared & Analyzed: 05/04/2022				
1,1,1,2-Tetrachloroethane	47.4		ug/L	50.0		94.7	75-129				
1,1,1-Trichloroethane	58.8		"	50.0		118	71-137				
1,1,2,2-Tetrachloroethane	47.1		"	50.0		94.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.8		"	50.0		118	58-146				
1,1,2-Trichloroethane	49.0		"	50.0		97.9	83-123				
1,1-Dichloroethane	57.2		"	50.0		114	75-130				
1,1-Dichloroethylene	57.8		"	50.0		116	64-137				
1,2,3-Trichlorobenzene	43.6		"	50.0		87.2	81-140				
1,2,3-Trichloropropane	45.6		"	50.0		91.2	81-126				
1,2,4-Trichlorobenzene	45.1		"	50.0		90.1	80-141				
1,2,4-Trimethylbenzene	47.0		"	50.0		93.9	84-125				
1,2-Dibromo-3-chloropropane	46.5		"	50.0		93.0	74-142				
1,2-Dibromoethane	49.1		"	50.0		98.1	86-123				
1,2-Dichlorobenzene	45.2		"	50.0		90.5	85-122				
1,2-Dichloroethane	59.6		"	50.0		119	71-133				
1,2-Dichloropropane	50.6		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	46.2		"	50.0		92.3	82-126				
1,3-Dichlorobenzene	44.9		"	50.0		89.9	84-124				
1,4-Dichlorobenzene	44.9		"	50.0		89.8	84-124				
1,4-Dioxane	956		"	1050		91.1	10-228				
2-Butanone	53.9		"	50.0		108	58-147				
2-Hexanone	49.5		"	50.0		99.0	70-139				
4-Methyl-2-pentanone	38.3		"	50.0		76.5	72-132				
Acetone	50.5		"	50.0		101	36-155				
Acrolein	43.3		"	50.0		86.5	10-238				
Acrylonitrile	58.7		"	50.0		117	66-141				
Benzene	59.2		"	50.0		118	77-127				
Bromochloromethane	61.3		"	50.0		123	74-129				
Bromodichloromethane	48.4		"	50.0		96.9	81-124				
Bromoform	48.7		"	50.0		97.3	80-136				
Bromomethane	60.8		"	50.0		122	32-177				
Carbon disulfide	59.5		"	50.0		119	10-136				
Carbon tetrachloride	59.7		"	50.0		119	66-143				
Chlorobenzene	50.6		"	50.0		101	86-120				
Chloroethane	71.3		"	50.0		143	51-142	High Bias			
Chloroform	57.7		"	50.0		115	76-131				
Chloromethane	44.0		"	50.0		87.9	49-132				
cis-1,2-Dichloroethylene	58.7		"	50.0		117	74-132				
cis-1,3-Dichloropropylene	48.4		"	50.0		96.9	81-129				
Cyclohexane	61.0		"	50.0		122	70-130				
Dibromochloromethane	48.2		"	50.0		96.3	10-200				
Dibromomethane	47.9		"	50.0		95.8	83-124				
Dichlorodifluoromethane	27.5		"	50.0		55.0	28-158				
Ethyl Benzene	49.4		"	50.0		98.8	84-125				
Hexachlorobutadiene	43.9		"	50.0		87.8	83-133				
Isopropylbenzene	48.1		"	50.0		96.2	81-127				
Methyl acetate	56.6		"	50.0		113	41-143				
Methyl tert-butyl ether (MTBE)	56.2		"	50.0		112	74-131				
Methylcyclohexane	48.5		"	50.0		97.1	70-130				
Methylene chloride	60.8		"	50.0		122	57-141				
n-Butylbenzene	47.1		"	50.0		94.2	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
LCS (BE20099-BS1) LCS								Prepared & Analyzed: 05/04/2022			
n-Propylbenzene	47.4		ug/L	50.0		94.7	74-136				
o-Xylene	49.3		"	50.0		98.5	83-123				
p- & m- Xylenes	100		"	100		100	82-128				
p-Isopropyltoluene	46.9		"	50.0		93.9	85-125				
sec-Butylbenzene	46.8		"	50.0		93.7	83-125				
Styrene	47.3		"	50.0		94.7	86-126				
tert-Butyl alcohol (TBA)	301		"	250		121	70-130				
tert-Butylbenzene	40.3		"	50.0		80.7	80-127				
Tetrachloroethylene	42.2		"	50.0		84.5	80-129				
Toluene	48.3		"	50.0		96.6	85-121				
trans-1,2-Dichloroethylene	59.8		"	50.0		120	72-132				
trans-1,3-Dichloropropylene	48.6		"	50.0		97.1	78-132				
Trichloroethylene	48.5		"	50.0		97.1	84-123				
Trichlorofluoromethane	63.8		"	50.0		128	62-140				
Vinyl Chloride	47.6		"	50.0		95.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*45.9*		*"*	*50.0*		*91.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*76-130*				
LCS Dup (BE20099-BSD1) LCS Dup								Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	51.8		ug/L	50.0		104	75-129		8.97	30	
1,1,1-Trichloroethane	61.3		"	50.0		123	71-137		4.11	30	
1,1,2,2-Tetrachloroethane	49.3		"	50.0		98.6	79-129		4.50	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.8		"	50.0		122	58-146		3.43	30	
1,1,2-Trichloroethane	50.1		"	50.0		100	83-123		2.32	30	
1,1-Dichloroethane	60.2		"	50.0		120	75-130		5.08	30	
1,1-Dichloroethylene	59.7		"	50.0		119	64-137		3.10	30	
1,2,3-Trichlorobenzene	46.4		"	50.0		92.8	81-140		6.22	30	
1,2,3-Trichloropropane	45.9		"	50.0		91.8	81-126		0.634	30	
1,2,4-Trichlorobenzene	47.0		"	50.0		94.1	80-141		4.28	30	
1,2,4-Trimethylbenzene	49.3		"	50.0		98.6	84-125		4.80	30	
1,2-Dibromo-3-chloropropane	47.9		"	50.0		95.8	74-142		2.99	30	
1,2-Dibromoethane	51.7		"	50.0		103	86-123		5.20	30	
1,2-Dichlorobenzene	47.6		"	50.0		95.1	85-122		5.00	30	
1,2-Dichloroethane	61.9		"	50.0		124	71-133		3.87	30	
1,2-Dichloropropane	53.5		"	50.0		107	81-122		5.51	30	
1,3,5-Trimethylbenzene	48.1		"	50.0		96.3	82-126		4.18	30	
1,3-Dichlorobenzene	47.7		"	50.0		95.4	84-124		5.94	30	
1,4-Dichlorobenzene	47.6		"	50.0		95.2	84-124		5.82	30	
1,4-Dioxane	956		"	1050		91.0	10-228		0.0910	30	
2-Butanone	52.0		"	50.0		104	58-147		3.65	30	
2-Hexanone	51.2		"	50.0		102	70-139		3.32	30	
4-Methyl-2-pentanone	39.2		"	50.0		78.4	72-132		2.48	30	
Acetone	51.8		"	50.0		104	36-155		2.60	30	
Acrolein	46.0		"	50.0		92.1	10-238		6.23	30	
Acrylonitrile	60.2		"	50.0		120	66-141		2.62	30	
Benzene	61.1		"	50.0		122	77-127		3.19	30	
Bromochloromethane	63.4		"	50.0		127	74-129		3.43	30	
Bromodichloromethane	52.1		"	50.0		104	81-124		7.18	30	
Bromoform	50.2		"	50.0		100	80-136		3.13	30	
Bromomethane	63.5		"	50.0		127	32-177		4.34	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
LCS Dup (BE20099-BSD1) LCS Dup								Prepared & Analyzed: 05/04/2022			
Carbon disulfide	62.8		ug/L	50.0		126	10-136		5.38	30	
Carbon tetrachloride	63.6		"	50.0		127	66-143		6.36	30	
Chlorobenzene	52.7		"	50.0		105	86-120		4.16	30	
Chloroethane	70.0		"	50.0		140	51-142		1.87	30	
Chloroform	60.2		"	50.0		120	76-131		4.24	30	
Chloromethane	45.6		"	50.0		91.2	49-132		3.66	30	
cis-1,2-Dichloroethylene	61.2		"	50.0		122	74-132		4.29	30	
cis-1,3-Dichloropropylene	50.7		"	50.0		101	81-129		4.56	30	
Cyclohexane	63.7		"	50.0		127	70-130		4.35	30	
Dibromochloromethane	51.5		"	50.0		103	10-200		6.74	30	
Dibromomethane	51.9		"	50.0		104	83-124		7.92	30	
Dichlorodifluoromethane	28.0		"	50.0		55.9	28-158		1.70	30	
Ethyl Benzene	52.2		"	50.0		104	84-125		5.53	30	
Hexachlorobutadiene	46.3		"	50.0		92.7	83-133		5.41	30	
Isopropylbenzene	51.3		"	50.0		103	81-127		6.48	30	
Methyl acetate	57.9		"	50.0		116	41-143		2.20	30	
Methyl tert-butyl ether (MTBE)	58.7		"	50.0		117	74-131		4.42	30	
Methylcyclohexane	51.1		"	50.0		102	70-130		5.08	30	
Methylene chloride	63.3		"	50.0		127	57-141		3.95	30	
n-Butylbenzene	48.6		"	50.0		97.2	80-130		3.15	30	
n-Propylbenzene	49.0		"	50.0		98.0	74-136		3.40	30	
o-Xylene	52.1		"	50.0		104	83-123		5.60	30	
p- & m- Xylenes	106		"	100		106	82-128		5.50	30	
p-Isopropyltoluene	49.4		"	50.0		98.7	85-125		5.03	30	
sec-Butylbenzene	49.7		"	50.0		99.3	83-125		5.87	30	
Styrene	49.8		"	50.0		99.6	86-126		5.11	30	
tert-Butyl alcohol (TBA)	310		"	250		124	70-130		2.94	30	
tert-Butylbenzene	43.3		"	50.0		86.5	80-127		7.03	30	
Tetrachloroethylene	44.8		"	50.0		89.6	80-129		5.84	30	
Toluene	50.5		"	50.0		101	85-121		4.33	30	
trans-1,2-Dichloroethylene	62.0		"	50.0		124	72-132		3.55	30	
trans-1,3-Dichloropropylene	52.4		"	50.0		105	78-132		7.66	30	
Trichloroethylene	51.0		"	50.0		102	84-123		4.98	30	
Trichlorofluoromethane	63.8		"	50.0		128	62-140		0.00	30	
Vinyl Chloride	49.2		"	50.0		98.3	52-130		3.24	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*44.9*		*"*	*50.0*		*89.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike (BE20099-MS1) Matrix Spike	*Source sample: 22E0097-04 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	39.0		ug/L	50.0	0.00	78.1	15-161				
1,1,1-Trichloroethane	38.8		"	50.0	0.00	77.5	42-145				
1,1,2,2-Tetrachloroethane	40.7		"	50.0	0.00	81.4	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	33.6		"	50.0	0.00	67.2	11-160				
1,1,2-Trichloroethane	40.1		"	50.0	0.00	80.3	44-145				
1,1-Dichloroethane	39.2		"	50.0	0.00	78.4	46-142				
1,1-Dichloroethylene	38.2		"	50.0	0.00	76.3	30-153				
1,2,3-Trichlorobenzene	26.4		"	50.0	0.00	52.9	10-157				
1,2,3-Trichloropropane	42.5		"	50.0	0.00	84.9	38-155				
1,2,4-Trichlorobenzene	24.8		"	50.0	0.00	49.5	10-151				
1,2,4-Trimethylbenzene	34.9		"	50.0	0.00	69.8	10-170				
1,2-Dibromo-3-chloropropane	38.8		"	50.0	0.00	77.6	36-138				
1,2-Dibromoethane	39.8		"	50.0	0.00	79.6	40-142				
1,2-Dichlorobenzene	34.3		"	50.0	0.00	68.6	10-147				
1,2-Dichloroethane	41.6		"	50.0	0.00	83.2	48-133				
1,2-Dichloropropane	41.6		"	50.0	0.00	83.2	47-141				
1,3,5-Trimethylbenzene	34.6		"	50.0	0.00	69.3	10-150				
1,3-Dichlorobenzene	33.2		"	50.0	0.00	66.3	10-144				
1,4-Dichlorobenzene	32.7		"	50.0	0.00	65.4	10-160				
1,4-Dioxane	815		"	1050	0.00	77.6	10-191				
2-Butanone	37.2		"	50.0	0.00	74.4	10-189				
2-Hexanone	39.5		"	50.0	0.00	79.1	10-181				
4-Methyl-2-pentanone	31.3		"	50.0	0.00	62.7	10-166				
Acetone	38.4		"	50.0	5.70	65.4	10-196				
Acrolein	13.9		"	50.0	0.00	27.8	10-192				
Acrylonitrile	40.6		"	50.0	0.00	81.2	13-161				
Benzene	40.5		"	50.0	0.00	81.0	43-139				
Bromochloromethane	42.7		"	50.0	0.00	85.3	38-145				
Bromodichloromethane	39.3		"	50.0	0.00	78.6	38-147				
Bromoform	37.6		"	50.0	0.00	75.2	29-156				
Bromomethane	38.5		"	50.0	0.00	77.0	10-166				
Carbon disulfide	36.9		"	50.0	0.00	73.8	10-131				
Carbon tetrachloride	37.3		"	50.0	0.00	74.7	35-145				
Chlorobenzene	39.3		"	50.0	0.00	78.6	21-154				
Chloroethane	41.9		"	50.0	0.00	83.8	15-160				
Chloroform	41.0		"	50.0	0.00	81.9	47-142				
Chloromethane	30.3		"	50.0	0.00	60.6	10-159				
cis-1,2-Dichloroethylene	39.7		"	50.0	0.00	79.4	42-144				
cis-1,3-Dichloropropylene	37.2		"	50.0	0.00	74.3	18-159				
Cyclohexane	37.4		"	50.0	0.00	74.8	70-130				
Dibromochloromethane	38.2		"	50.0	0.00	76.3	10-179				
Dibromomethane	39.4		"	50.0	0.00	78.7	47-143				
Dichlorodifluoromethane	16.2		"	50.0	0.00	32.3	10-145				
Ethyl Benzene	37.8		"	50.0	0.00	75.6	11-158				
Hexachlorobutadiene	17.6		"	50.0	0.00	35.1	10-158				
Isopropylbenzene	38.9		"	50.0	0.00	77.8	10-162				
Methyl acetate	60.1		"	50.0	0.00	120	10-149				
Methyl tert-butyl ether (MTBE)	39.0		"	50.0	0.00	78.0	42-152				
Methylcyclohexane	28.2		"	50.0	0.00	56.5	70-130	Low Bias			
Methylene chloride	51.5		"	50.0	18.8	65.3	28-151				
n-Butylbenzene	26.6		"	50.0	0.00	53.2	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike (BE20099-MS1) Matrix Spike	*Source sample: 22E0097-04 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
n-Propylbenzene	35.3		ug/L	50.0	0.00	70.6	10-155				
o-Xylene	38.0		"	50.0	0.00	76.0	10-158				
p- & m- Xylenes	74.6		"	100	0.00	74.6	10-156				
p-Isopropyltoluene	31.6		"	50.0	0.00	63.2	10-147				
sec-Butylbenzene	32.5		"	50.0	0.00	65.1	10-157				
Styrene	36.0		"	50.0	0.00	71.9	13-171				
tert-Butyl alcohol (TBA)	204		"	250	0.00	81.7	34-179				
tert-Butylbenzene	31.4		"	50.0	0.00	62.9	10-160				
Tetrachloroethylene	29.1		"	50.0	0.00	58.1	30-167				
Toluene	38.3		"	50.0	0.00	76.7	21-160				
trans-1,2-Dichloroethylene	39.3		"	50.0	0.00	78.6	29-153				
trans-1,3-Dichloropropylene	36.4		"	50.0	0.00	72.8	18-155				
Trichloroethylene	38.1		"	50.0	0.00	76.3	24-169				
Trichlorofluoromethane	42.1		"	50.0	0.00	84.3	35-142				
Vinyl Chloride	31.8		"	50.0	0.00	63.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*98.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				
Matrix Spike (BE20099-MS2) Matrix Spike	*Source sample: 22D1465-20 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	25.1		ug/L	50.0	0.00	50.2	15-161				
1,1,1-Trichloroethane	30.6		"	50.0	0.00	61.1	42-145				
1,1,2,2-Tetrachloroethane	26.6		"	50.0	0.00	53.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	28.2		"	50.0	0.00	56.4	11-160				
1,1,2-Trichloroethane	27.0		"	50.0	0.00	54.0	44-145				
1,1-Dichloroethane	28.9		"	50.0	0.00	57.8	46-142				
1,1-Dichloroethylene	22.1		"	50.0	0.00	44.1	30-153				
1,2,3-Trichlorobenzene	4.67		"	50.0	0.00	9.34	10-157	Low Bias			
1,2,3-Trichloropropane	29.0		"	50.0	0.00	58.0	38-155				
1,2,4-Trichlorobenzene	3.90		"	50.0	0.00	7.80	10-151	Low Bias			
1,2,4-Trimethylbenzene	12.7		"	50.0	0.00	25.5	10-170				
1,2-Dibromo-3-chloropropane	19.4		"	50.0	0.00	38.8	36-138				
1,2-Dibromoethane	13.3		"	50.0	0.00	26.7	40-142	Low Bias			
1,2-Dichlorobenzene	9.63		"	50.0	0.00	19.3	10-147				
1,2-Dichloroethane	19.5		"	50.0	0.00	39.0	48-133	Low Bias			
1,2-Dichloropropane	30.0		"	50.0	0.00	59.9	47-141				
1,3,5-Trimethylbenzene	13.2		"	50.0	0.00	26.4	10-150				
1,3-Dichlorobenzene	7.96		"	50.0	0.00	15.9	10-144				
1,4-Dichlorobenzene	7.08		"	50.0	0.00	14.2	10-160				
1,4-Dioxane	918		"	1050	0.00	87.4	10-191				
2-Butanone	30.6		"	50.0	0.00	61.3	10-189				
2-Hexanone	29.2		"	50.0	0.00	58.4	10-181				
4-Methyl-2-pentanone	28.2		"	50.0	0.00	56.3	10-166				
Acetone	32.0		"	50.0	7.91	48.1	10-196				
Acrolein	16.0		"	50.0	0.00	31.9	10-192				
Acrylonitrile	29.8		"	50.0	0.00	59.7	13-161				
Benzene	26.4		"	50.0	0.00	52.9	43-139				
Bromochloromethane	17.5		"	50.0	0.00	35.0	38-145	Low Bias			
Bromodichloromethane	23.7		"	50.0	0.00	47.3	38-147				
Bromoform	18.7		"	50.0	0.00	37.5	29-156				
Bromomethane	26.8		"	50.0	0.00	53.7	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike (BE20099-MS2) Matrix Spike	*Source sample: 22D1465-20 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
Carbon disulfide	12.0		ug/L	50.0	0.00	24.1	10-131				
Carbon tetrachloride	28.8		"	50.0	0.00	57.5	35-145				
Chlorobenzene	14.8		"	50.0	0.00	29.6	21-154				
Chloroethane	31.1		"	50.0	0.00	62.2	15-160				
Chloroform	26.5		"	50.0	0.00	53.1	47-142				
Chloromethane	24.6		"	50.0	0.00	49.1	10-159				
cis-1,2-Dichloroethylene	16.5		"	50.0	0.00	33.0	42-144	Low Bias			
cis-1,3-Dichloropropylene	10.7		"	50.0	0.00	21.5	18-159				
Cyclohexane	21.9		"	50.0	0.00	43.7	70-130	Low Bias			
Dibromochloromethane	21.1		"	50.0	0.00	42.1	10-179				
Dibromomethane	13.1		"	50.0	0.00	26.2	47-143	Low Bias			
Dichlorodifluoromethane	35.8		"	50.0	19.4	32.8	10-145				
Ethyl Benzene	17.9		"	50.0	0.00	35.8	11-158				
Hexachlorobutadiene	2.45		"	50.0	0.00	4.90	10-158	Low Bias			
Isopropylbenzene	17.1		"	50.0	0.00	34.2	10-162				
Methyl acetate	33.4		"	50.0	0.00	66.7	10-149				
Methyl tert-butyl ether (MTBE)	37.4		"	50.0	0.00	74.7	42-152				
Methylcyclohexane	12.2		"	50.0	0.00	24.4	70-130	Low Bias			
Methylene chloride	25.9		"	50.0	6.46	38.8	28-151				
n-Butylbenzene	6.46		"	50.0	0.00	12.9	10-162				
n-Propylbenzene	12.8		"	50.0	0.00	25.5	10-155				
o-Xylene	19.2		"	50.0	0.00	38.5	10-158				
p- & m- Xylenes	33.8		"	100	0.00	33.8	10-156				
p-Isopropyltoluene	9.17		"	50.0	0.00	18.3	10-147				
sec-Butylbenzene	9.75		"	50.0	0.00	19.5	10-157				
Styrene	11.8		"	50.0	0.00	23.6	13-171				
tert-Butyl alcohol (TBA)	208		"	250	0.00	83.1	34-179				
tert-Butylbenzene	11.1		"	50.0	0.00	22.1	10-160				
Tetrachloroethylene	15.1		"	50.0	0.00	30.1	30-167				
Toluene	21.3		"	50.0	0.00	42.6	21-160				
trans-1,2-Dichloroethylene	13.5		"	50.0	0.00	27.0	29-153	Low Bias			
trans-1,3-Dichloropropylene	6.37		"	50.0	0.00	12.7	18-155	Low Bias			
Trichloroethylene	16.4		"	50.0	0.00	32.8	24-169				
Trichlorofluoromethane	34.3		"	50.0	0.00	68.5	35-142				
Vinyl Chloride	21.1		"	50.0	0.00	42.2	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike Dup (BE20099-M Matrix Spike Dup	*Source sample: 22E0097-04 (Matrix Spike Dup)								Prepared & Analyzed: 05/04/2022		
1,1,1,2-Tetrachloroethane	42.3		ug/L	50.0	0.00	84.5	15-161		7.90	33	
1,1,1-Trichloroethane	44.0		"	50.0	0.00	88.0	42-145		12.7	30	
1,1,2,2-Tetrachloroethane	43.7		"	50.0	0.00	87.4	16-167		7.01	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.8		"	50.0	0.00	83.6	11-160		21.7	31	
1,1,2-Trichloroethane	43.5		"	50.0	0.00	86.9	44-145		7.97	40	
1,1-Dichloroethane	43.2		"	50.0	0.00	86.5	46-142		9.83	36	
1,1-Dichloroethylene	42.6		"	50.0	0.00	85.2	30-153		11.0	31	
1,2,3-Trichlorobenzene	28.5		"	50.0	0.00	57.0	10-157		7.39	47	
1,2,3-Trichloropropane	45.6		"	50.0	0.00	91.3	38-155		7.24	48	
1,2,4-Trichlorobenzene	27.9		"	50.0	0.00	55.8	10-151		12.0	52	
1,2,4-Trimethylbenzene	38.0		"	50.0	0.00	76.0	10-170		8.48	242	
1,2-Dibromo-3-chloropropane	42.7		"	50.0	0.00	85.3	36-138		9.53	54	
1,2-Dibromoethane	43.4		"	50.0	0.00	86.9	40-142		8.74	39	
1,2-Dichlorobenzene	36.4		"	50.0	0.00	72.8	10-147		5.88	52	
1,2-Dichloroethane	45.2		"	50.0	0.00	90.4	48-133		8.37	32	
1,2-Dichloropropane	45.5		"	50.0	0.00	91.0	47-141		8.98	37	
1,3,5-Trimethylbenzene	38.0		"	50.0	0.00	76.1	10-150		9.38	62	
1,3-Dichlorobenzene	36.0		"	50.0	0.00	71.9	10-144		8.10	51	
1,4-Dichlorobenzene	35.4		"	50.0	0.00	70.9	10-160		8.04	52	
1,4-Dioxane	908		"	1050	0.00	86.5	10-191		10.8	196	
2-Butanone	41.6		"	50.0	0.00	83.1	10-189		11.0	67	
2-Hexanone	40.4		"	50.0	0.00	80.8	10-181		2.23	60	
4-Methyl-2-pentanone	33.5		"	50.0	0.00	66.9	10-166		6.60	47	
Acetone	40.3		"	50.0	5.70	69.1	10-196		4.68	150	
Acrolein	15.2		"	50.0	0.00	30.5	10-192		9.41	128	
Acrylonitrile	44.4		"	50.0	0.00	88.9	13-161		9.00	48	
Benzene	44.2		"	50.0	0.00	88.5	43-139		8.82	64	
Bromochloromethane	46.5		"	50.0	0.00	92.9	38-145		8.53	30	
Bromodichloromethane	43.7		"	50.0	0.00	87.3	38-147		10.5	37	
Bromoform	41.9		"	50.0	0.00	83.9	29-156		10.9	51	
Bromomethane	44.8		"	50.0	0.00	89.5	10-166		15.1	42	
Carbon disulfide	42.9		"	50.0	0.00	85.8	10-131		15.1	36	
Carbon tetrachloride	44.7		"	50.0	0.00	89.4	35-145		17.9	31	
Chlorobenzene	42.7		"	50.0	0.00	85.4	21-154		8.27	32	
Chloroethane	50.9		"	50.0	0.00	102	15-160		19.5	40	
Chloroform	43.8		"	50.0	0.00	87.6	47-142		6.70	29	
Chloromethane	33.2		"	50.0	0.00	66.5	10-159		9.22	31	
cis-1,2-Dichloroethylene	43.4		"	50.0	0.00	86.9	42-144		9.02	30	
cis-1,3-Dichloropropylene	42.1		"	50.0	0.00	84.1	18-159		12.4	39	
Cyclohexane	43.9		"	50.0	0.00	87.8	70-130		16.0	30	
Dibromochloromethane	42.8		"	50.0	0.00	85.6	10-179		11.5	41	
Dibromomethane	42.9		"	50.0	0.00	85.8	47-143		8.63	41	
Dichlorodifluoromethane	19.1		"	50.0	0.00	38.2	10-145		16.7	34	
Ethyl Benzene	41.7		"	50.0	0.00	83.4	11-158		9.76	42	
Hexachlorobutadiene	20.7		"	50.0	0.00	41.5	10-158		16.6	45	
Isopropylbenzene	42.1		"	50.0	0.00	84.3	10-162		7.97	57	
Methyl acetate	59.8		"	50.0	0.00	120	10-149		0.567	64	
Methyl tert-butyl ether (MTBE)	43.3		"	50.0	0.00	86.5	42-152		10.4	47	
Methylcyclohexane	36.5		"	50.0	0.00	73.1	70-130		25.6	30	
Methylene chloride	57.5		"	50.0	18.8	77.3	28-151		11.0	49	
n-Butylbenzene	31.4		"	50.0	0.00	62.9	10-162		16.7	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike Dup (BE20099-M Matrix Spike Dup *Source sample: 22E0097-04 (Matrix Spike Dup)								Prepared & Analyzed: 05/04/2022			
n-Propylbenzene	39.0		ug/L	50.0	0.00	78.0	10-155		9.93	56	
o-Xylene	41.5		"	50.0	0.00	83.0	10-158		8.80	51	
p- & m- Xylenes	82.2		"	100	0.00	82.2	10-156		9.67	47	
p-Isopropyltoluene	35.6		"	50.0	0.00	71.2	10-147		11.9	60	
sec-Butylbenzene	36.5		"	50.0	0.00	73.0	10-157		11.4	56	
Styrene	38.8		"	50.0	0.00	77.5	13-171		7.49	39	
tert-Butyl alcohol (TBA)	239		"	250	0.00	95.5	34-179		15.5	35	
tert-Butylbenzene	34.4		"	50.0	0.00	68.7	10-160		8.84	79	
Tetrachloroethylene	34.8		"	50.0	0.00	69.5	30-167		17.8	33	
Toluene	42.1		"	50.0	0.00	84.2	21-160		9.35	50	
trans-1,2-Dichloroethylene	44.4		"	50.0	0.00	88.9	29-153		12.2	30	
trans-1,3-Dichloropropylene	41.0		"	50.0	0.00	81.9	18-155		11.8	30	
Trichloroethylene	43.4		"	50.0	0.00	86.7	24-169		12.9	30	
Trichlorofluoromethane	47.5		"	50.0	0.00	94.9	35-142		11.9	30	
Vinyl Chloride	35.7		"	50.0	0.00	71.3	12-160		11.3	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.1*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*76-130*				
Matrix Spike Dup (BE20099-M Matrix Spike Dup *Source sample: 22D1465-20 (Matrix Spike Dup)								Prepared & Analyzed: 05/04/2022			
1,1,1,2-Tetrachloroethane	35.0		ug/L	50.0	0.00	70.1	15-161		33.0	33	
1,1,1-Trichloroethane	40.8		"	50.0	0.00	81.6	42-145		28.7	30	
1,1,2,2-Tetrachloroethane	35.2		"	50.0	0.00	70.4	16-167		27.8	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.6		"	50.0	0.00	79.3	11-160		33.7	31	Non-dir.
1,1,2-Trichloroethane	35.6		"	50.0	0.00	71.3	44-145		27.5	40	
1,1-Dichloroethane	39.0		"	50.0	0.00	78.0	46-142		29.7	36	
1,1-Dichloroethylene	36.2		"	50.0	0.00	72.4	30-153		48.4	31	Non-dir.
1,2,3-Trichlorobenzene	9.42		"	50.0	0.00	18.8	10-157		67.4	47	Non-dir.
1,2,3-Trichloropropane	37.4		"	50.0	0.00	74.9	38-155		25.4	48	
1,2,4-Trichlorobenzene	9.44		"	50.0	0.00	18.9	10-151		83.1	52	Non-dir.
1,2,4-Trimethylbenzene	24.1		"	50.0	0.00	48.2	10-170		61.7	242	
1,2-Dibromo-3-chloropropane	28.6		"	50.0	0.00	57.3	36-138		38.5	54	
1,2-Dibromoethane	25.5		"	50.0	0.00	51.0	40-142		62.8	39	Non-dir.
1,2-Dichlorobenzene	19.1		"	50.0	0.00	38.2	10-147		65.8	52	Non-dir.
1,2-Dichloroethane	31.6		"	50.0	0.00	63.3	48-133		47.5	32	Non-dir.
1,2-Dichloropropane	40.2		"	50.0	0.00	80.4	47-141		29.2	37	
1,3,5-Trimethylbenzene	24.4		"	50.0	0.00	48.7	10-150		59.6	62	
1,3-Dichlorobenzene	17.9		"	50.0	0.00	35.8	10-144		76.9	51	Non-dir.
1,4-Dichlorobenzene	17.4		"	50.0	0.00	34.7	10-160		84.1	52	Non-dir.
1,4-Dioxane	878		"	1050	0.00	83.6	10-191		4.50	196	
2-Butanone	36.7		"	50.0	0.00	73.5	10-189		18.1	67	
2-Hexanone	37.2		"	50.0	0.00	74.3	10-181		24.1	60	
4-Methyl-2-pentanone	31.5		"	50.0	0.00	63.1	10-166		11.3	47	
Acetone	36.3		"	50.0	7.91	56.7	10-196		12.6	150	
Acrolein	18.8		"	50.0	0.00	37.5	10-192		16.1	128	
Acrylonitrile	36.0		"	50.0	0.00	72.0	13-161		18.6	48	
Benzene	38.2		"	50.0	0.00	76.5	43-139		36.5	64	
Bromochloromethane	29.0		"	50.0	0.00	57.9	38-145		49.3	30	Non-dir.
Bromodichloromethane	34.9		"	50.0	0.00	69.8	38-147		38.4	37	Non-dir.
Bromoform	29.0		"	50.0	0.00	58.1	29-156		43.1	51	
Bromomethane	37.6		"	50.0	0.00	75.1	10-166		33.3	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20099 - EPA 5035A											
Matrix Spike Dup (BE20099-M Matrix Spike Dup	*Source sample: 22D1465-20 (Matrix Spike Dup)								Prepared & Analyzed: 05/04/2022		
Carbon disulfide	25.3		ug/L	50.0	0.00	50.7	10-131		71.1	36	Non-dir.
Carbon tetrachloride	40.9		"	50.0	0.00	81.8	35-145		34.9	31	Non-dir.
Chlorobenzene	28.6		"	50.0	0.00	57.3	21-154		63.8	32	Non-dir.
Chloroethane	43.9		"	50.0	0.00	87.8	15-160		34.2	40	
Chloroform	37.2		"	50.0	0.00	74.4	47-142		33.4	29	Non-dir.
Chloromethane	32.6		"	50.0	0.00	65.3	10-159		28.2	31	
cis-1,2-Dichloroethylene	29.1		"	50.0	0.00	58.1	42-144		55.2	30	Non-dir.
cis-1,3-Dichloropropylene	23.4		"	50.0	0.00	46.7	18-159		74.1	39	Non-dir.
Cyclohexane	35.6		"	50.0	0.00	71.1	70-130		47.7	30	Non-dir.
Dibromochloromethane	32.3		"	50.0	0.00	64.5	10-179		42.0	41	Non-dir.
Dibromomethane	24.0		"	50.0	0.00	48.1	47-143		59.0	41	Non-dir.
Dichlorodifluoromethane	32.8		"	50.0	19.4	26.9	10-145		8.62	34	
Ethyl Benzene	31.4		"	50.0	0.00	62.9	11-158		55.0	42	Non-dir.
Hexachlorobutadiene	7.11		"	50.0	0.00	14.2	10-158		97.5	45	Non-dir.
Isopropylbenzene	30.8		"	50.0	0.00	61.5	10-162		57.0	57	
Methyl acetate	42.1		"	50.0	0.00	84.2	10-149		23.1	64	
Methyl tert-butyl ether (MTBE)	41.3		"	50.0	0.00	82.7	42-152		10.1	47	
Methylcyclohexane	24.3		"	50.0	0.00	48.6	70-130	Low Bias	66.3	30	Non-dir.
Methylene chloride	42.2		"	50.0	6.46	71.4	28-151		47.9	49	
n-Butylbenzene	15.4		"	50.0	0.00	30.7	10-162		81.6	96	
n-Propylbenzene	25.7		"	50.0	0.00	51.4	10-155		67.3	56	Non-dir.
o-Xylene	31.3		"	50.0	0.00	62.5	10-158		47.7	51	
p- & m- Xylenes	61.0		"	100	0.00	61.0	10-156		57.3	47	Non-dir.
p-Isopropyltoluene	19.7		"	50.0	0.00	39.4	10-147		73.0	60	Non-dir.
sec-Butylbenzene	20.8		"	50.0	0.00	41.7	10-157		72.5	56	Non-dir.
Styrene	24.3		"	50.0	0.00	48.6	13-171		69.1	39	Non-dir.
tert-Butyl alcohol (TBA)	220		"	250	0.00	87.8	34-179		5.57	35	
tert-Butylbenzene	21.5		"	50.0	0.00	43.0	10-160		64.1	79	
Tetrachloroethylene	27.2		"	50.0	0.00	54.5	30-167		57.6	33	Non-dir.
Toluene	34.1		"	50.0	0.00	68.1	21-160		46.2	50	
trans-1,2-Dichloroethylene	26.7		"	50.0	0.00	53.4	29-153		65.6	30	Non-dir.
trans-1,3-Dichloropropylene	17.3		"	50.0	0.00	34.5	18-155		92.2	30	Non-dir.
Trichloroethylene	31.4		"	50.0	0.00	62.8	24-169		62.9	30	Non-dir.
Trichlorofluoromethane	45.3		"	50.0	0.00	90.5	35-142		27.6	30	
Vinyl Chloride	31.2		"	50.0	0.00	62.5	12-160		38.7	35	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK1) Blank									Prepared & Analyzed: 05/05/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK1) Blank									Prepared & Analyzed: 05/05/2022		
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.8*		*"*	*50.0*		*110*	*76-130*				
Blank (BE20241-BLK2) Blank									Prepared & Analyzed: 05/05/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK2) Blank									Prepared & Analyzed: 05/05/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.2*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK3) Blank									Prepared & Analyzed: 05/05/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK3) Blank									Prepared & Analyzed: 05/05/2022		
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				
Blank (BE20241-BLK4) Blank									Prepared & Analyzed: 05/05/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
Blank (BE20241-BLK4) Blank									Prepared & Analyzed: 05/05/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
LCS (BE20241-BS1) LCS							Prepared & Analyzed: 05/05/2022				
1,1,1,2-Tetrachloroethane	48.6		ug/L	50.0		97.2	75-129				
1,1,1-Trichloroethane	50.1		"	50.0		100	71-137				
1,1,2,2-Tetrachloroethane	50.9		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.2	58-146				
1,1,2-Trichloroethane	46.8		"	50.0		93.5	83-123				
1,1-Dichloroethane	49.3		"	50.0		98.5	75-130				
1,1-Dichloroethylene	48.7		"	50.0		97.4	64-137				
1,2,3-Trichlorobenzene	48.4		"	50.0		96.9	81-140				
1,2,3-Trichloropropane	49.2		"	50.0		98.4	81-126				
1,2,4-Trichlorobenzene	48.4		"	50.0		96.8	80-141				
1,2,4-Trimethylbenzene	51.4		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142				
1,2-Dibromoethane	48.4		"	50.0		96.8	86-123				
1,2-Dichlorobenzene	47.8		"	50.0		95.6	85-122				
1,2-Dichloroethane	49.4		"	50.0		98.8	71-133				
1,2-Dichloropropane	50.8		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	50.3		"	50.0		101	82-126				
1,3-Dichlorobenzene	49.2		"	50.0		98.4	84-124				
1,4-Dichlorobenzene	48.7		"	50.0		97.5	84-124				
1,4-Dioxane	1010		"	1050		95.9	10-228				
2-Butanone	47.0		"	50.0		94.0	58-147				
2-Hexanone	49.9		"	50.0		99.8	70-139				
4-Methyl-2-pentanone	38.3		"	50.0		76.6	72-132				
Acetone	42.4		"	50.0		84.9	36-155				
Acrolein	35.7		"	50.0		71.3	10-238				
Acrylonitrile	50.1		"	50.0		100	66-141				
Benzene	49.9		"	50.0		99.8	77-127				
Bromochloromethane	50.5		"	50.0		101	74-129				
Bromodichloromethane	48.7		"	50.0		97.4	81-124				
Bromoform	48.2		"	50.0		96.4	80-136				
Bromomethane	50.1		"	50.0		100	32-177				
Carbon disulfide	50.3		"	50.0		101	10-136				
Carbon tetrachloride	51.7		"	50.0		103	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	57.4		"	50.0		115	51-142				
Chloroform	49.1		"	50.0		98.2	76-131				
Chloromethane	34.8		"	50.0		69.6	49-132				
cis-1,2-Dichloroethylene	49.9		"	50.0		99.9	74-132				
cis-1,3-Dichloropropylene	48.7		"	50.0		97.4	81-129				
Cyclohexane	51.8		"	50.0		104	70-130				
Dibromochloromethane	48.5		"	50.0		97.0	10-200				
Dibromomethane	46.8		"	50.0		93.6	83-124				
Dichlorodifluoromethane	19.7		"	50.0		39.4	28-158				
Ethyl Benzene	49.9		"	50.0		99.7	84-125				
Hexachlorobutadiene	48.3		"	50.0		96.6	83-133				
Isopropylbenzene	53.0		"	50.0		106	81-127				
Methyl acetate	48.2		"	50.0		96.3	41-143				
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.7	74-131				
Methylcyclohexane	49.0		"	50.0		98.0	70-130				
Methylene chloride	51.0		"	50.0		102	57-141				
n-Butylbenzene	51.5		"	50.0		103	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
LCS (BE20241-BS1) LCS								Prepared & Analyzed: 05/05/2022			
n-Propylbenzene	51.5		ug/L	50.0		103	74-136				
o-Xylene	49.7		"	50.0		99.3	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Isopropyltoluene	51.2		"	50.0		102	85-125				
sec-Butylbenzene	51.2		"	50.0		102	83-125				
Styrene	47.1		"	50.0		94.2	86-126				
tert-Butyl alcohol (TBA)	277		"	250		111	70-130				
tert-Butylbenzene	44.6		"	50.0		89.2	80-127				
Tetrachloroethylene	42.7		"	50.0		85.5	80-129				
Toluene	48.8		"	50.0		97.7	85-121				
trans-1,2-Dichloroethylene	50.4		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	49.1		"	50.0		98.1	78-132				
Trichloroethylene	48.9		"	50.0		97.7	84-123				
Trichlorofluoromethane	53.0		"	50.0		106	62-140				
Vinyl Chloride	38.7		"	50.0		77.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.2*		*"*	*50.0*		*102*	*76-130*				
LCS Dup (BE20241-BSD1) LCS Dup								Prepared & Analyzed: 05/05/2022			
1,1,1,2-Tetrachloroethane	48.5		ug/L	50.0		96.9	75-129		0.330	30	
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137		2.34	30	
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129		0.374	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.8		"	50.0		97.7	58-146		0.511	30	
1,1,2-Trichloroethane	47.0		"	50.0		94.1	83-123		0.597	30	
1,1-Dichloroethane	47.1		"	50.0		94.2	75-130		4.46	30	
1,1-Dichloroethylene	45.7		"	50.0		91.4	64-137		6.34	30	
1,2,3-Trichlorobenzene	46.8		"	50.0		93.7	81-140		3.38	30	
1,2,3-Trichloropropane	49.1		"	50.0		98.2	81-126		0.244	30	
1,2,4-Trichlorobenzene	46.4		"	50.0		92.9	80-141		4.09	30	
1,2,4-Trimethylbenzene	50.7		"	50.0		101	84-125		1.31	30	
1,2-Dibromo-3-chloropropane	49.5		"	50.0		99.1	74-142		2.79	30	
1,2-Dibromoethane	47.8		"	50.0		95.6	86-123		1.23	30	
1,2-Dichlorobenzene	48.1		"	50.0		96.1	85-122		0.584	30	
1,2-Dichloroethane	48.2		"	50.0		96.5	71-133		2.31	30	
1,2-Dichloropropane	50.6		"	50.0		101	81-122		0.256	30	
1,3,5-Trimethylbenzene	49.7		"	50.0		99.4	82-126		1.22	30	
1,3-Dichlorobenzene	48.5		"	50.0		96.9	84-124		1.52	30	
1,4-Dichlorobenzene	48.0		"	50.0		96.0	84-124		1.51	30	
1,4-Dioxane	963		"	1050		91.7	10-228		4.48	30	
2-Butanone	43.2		"	50.0		86.4	58-147		8.45	30	
2-Hexanone	48.6		"	50.0		97.1	70-139		2.72	30	
4-Methyl-2-pentanone	37.5		"	50.0		74.9	72-132		2.16	30	
Acetone	38.1		"	50.0		76.2	36-155		10.8	30	
Acrolein	33.4		"	50.0		66.9	10-238		6.42	30	
Acrylonitrile	48.5		"	50.0		97.0	66-141		3.33	30	
Benzene	48.7		"	50.0		97.4	77-127		2.43	30	
Bromochloromethane	49.9		"	50.0		99.9	74-129		1.15	30	
Bromodichloromethane	48.6		"	50.0		97.2	81-124		0.226	30	
Bromoform	47.2		"	50.0		94.5	80-136		2.03	30	
Bromomethane	48.4		"	50.0		96.8	32-177		3.41	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20241 - EPA 5035A											
LCS Dup (BE20241-BSD1) LCS Dup								Prepared & Analyzed: 05/05/2022			
Carbon disulfide	48.7		ug/L	50.0		97.5	10-136		3.17	30	
Carbon tetrachloride	50.5		"	50.0		101	66-143		2.43	30	
Chlorobenzene	49.4		"	50.0		98.8	86-120		3.15	30	
Chloroethane	53.9		"	50.0		108	51-142		6.31	30	
Chloroform	48.4		"	50.0		96.7	76-131		1.54	30	
Chloromethane	34.2		"	50.0		68.4	49-132		1.71	30	
cis-1,2-Dichloroethylene	48.7		"	50.0		97.4	74-132		2.53	30	
cis-1,3-Dichloropropylene	48.0		"	50.0		95.9	81-129		1.51	30	
Cyclohexane	50.3		"	50.0		101	70-130		2.96	30	
Dibromochloromethane	47.7		"	50.0		95.4	10-200		1.62	30	
Dibromomethane	47.5		"	50.0		94.9	83-124		1.42	30	
Dichlorodifluoromethane	18.7		"	50.0		37.5	28-158		4.95	30	
Ethyl Benzene	49.2		"	50.0		98.4	84-125		1.31	30	
Hexachlorobutadiene	48.3		"	50.0		96.6	83-133		0.0621	30	
Isopropylbenzene	52.4		"	50.0		105	81-127		1.01	30	
Methyl acetate	46.3		"	50.0		92.6	41-143		3.94	30	
Methyl tert-butyl ether (MTBE)	47.1		"	50.0		94.2	74-131		0.593	30	
Methylcyclohexane	48.2		"	50.0		96.5	70-130		1.60	30	
Methylene chloride	49.7		"	50.0		99.4	57-141		2.54	30	
n-Butylbenzene	49.0		"	50.0		98.1	80-130		4.86	30	
n-Propylbenzene	50.9		"	50.0		102	74-136		1.21	30	
o-Xylene	48.9		"	50.0		97.7	83-123		1.64	30	
p- & m- Xylenes	99.0		"	100		99.0	82-128		1.92	30	
p-Isopropyltoluene	50.5		"	50.0		101	85-125		1.34	30	
sec-Butylbenzene	50.8		"	50.0		102	83-125		0.765	30	
Styrene	46.6		"	50.0		93.2	86-126		1.15	30	
tert-Butyl alcohol (TBA)	263		"	250		105	70-130		5.10	30	
tert-Butylbenzene	44.7		"	50.0		89.5	80-127		0.269	30	
Tetrachloroethylene	41.9		"	50.0		83.7	80-129		2.06	30	
Toluene	48.0		"	50.0		96.0	85-121		1.80	30	
trans-1,2-Dichloroethylene	49.1		"	50.0		98.2	72-132		2.59	30	
trans-1,3-Dichloropropylene	48.2		"	50.0		96.4	78-132		1.79	30	
Trichloroethylene	47.7		"	50.0		95.3	84-123		2.49	30	
Trichlorofluoromethane	48.6		"	50.0		97.1	62-140		8.80	30	
Vinyl Chloride	37.0		"	50.0		73.9	52-130		4.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE20183 - EPA 3546 SVOA

Blank (BE20183-BLK1) Blank — Prepared & Analyzed: 05/04/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
Blank (BE20183-BLK1) Blank									Prepared & Analyzed: 05/04/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.27*		"	*1.66*		*76.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		"	*1.66*		*72.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.856*		"	*0.831*		*103*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.662*		"	*0.831*		*79.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.82*		"	*1.66*		*109*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.797*		"	*0.831*		*96.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
LCS (BE20183-BS1) LCS							Prepared & Analyzed: 05/04/2022				
1,1-Biphenyl	0.438	0.0416	mg/kg wet	0.831		52.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.433	0.0830	"	0.831		52.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.510	0.0416	"	0.831		61.4	17-137				
2,3,4,6-Tetrachlorophenol	0.544	0.0830	"	0.831		65.5	30-130				
2,4,5-Trichlorophenol	0.489	0.0416	"	0.831		58.9	27-118				
2,4,6-Trichlorophenol	0.470	0.0416	"	0.831		56.6	31-120				
2,4-Dichlorophenol	0.514	0.0416	"	0.831		61.9	20-127				
2,4-Dimethylphenol	0.521	0.0416	"	0.831		62.7	14-132				
2,4-Dinitrophenol	0.341	0.0830	"	0.831		41.0	10-171				
2,4-Dinitrotoluene	0.623	0.0416	"	0.831		75.0	34-131				
2,6-Dinitrotoluene	0.581	0.0416	"	0.831		70.0	31-128				
2-Chloronaphthalene	0.430	0.0416	"	0.831		51.8	31-117				
2-Chlorophenol	0.428	0.0416	"	0.831		51.5	33-113				
2-Methylnaphthalene	0.468	0.0416	"	0.831		56.3	12-138				
2-Methylphenol	0.435	0.0416	"	0.831		52.4	10-136				
2-Nitroaniline	0.528	0.0830	"	0.831		63.6	27-132				
2-Nitrophenol	0.683	0.0416	"	0.831		82.2	17-129				
3- & 4-Methylphenols	0.371	0.0416	"	0.831		44.6	29-103				
3,3-Dichlorobenzidine	0.353	0.0416	"	0.831		42.5	22-149				
3-Nitroaniline	0.482	0.0830	"	0.831		58.0	20-133				
4,6-Dinitro-2-methylphenol	0.797	0.0830	"	0.831		96.0	10-143				
4-Bromophenyl phenyl ether	0.463	0.0416	"	0.831		55.8	29-120				
4-Chloro-3-methylphenol	0.505	0.0416	"	0.831		60.8	24-129				
4-Chloroaniline	0.225	0.0416	"	0.831		27.1	10-132				
4-Chlorophenyl phenyl ether	0.427	0.0416	"	0.831		51.4	27-124				
4-Nitroaniline	0.484	0.0830	"	0.831		58.3	16-128				
4-Nitrophenol	0.507	0.0830	"	0.831		61.0	10-141				
Acenaphthene	0.431	0.0416	"	0.831		51.9	30-121				
Acenaphthylene	0.415	0.0416	"	0.831		50.0	30-115				
Acetophenone	0.402	0.0416	"	0.831		48.4	20-112				
Aniline	0.450	0.166	"	0.831		54.1	10-119				
Anthracene	0.459	0.0416	"	0.831		55.3	34-118				
Atrazine	0.547	0.0416	"	0.831		65.9	26-112				
Benzaldehyde	0.423	0.0416	"	0.831		51.0	21-100				
Benzo(a)anthracene	0.504	0.0416	"	0.831		60.6	32-122				
Benzo(a)pyrene	0.507	0.0416	"	0.831		61.0	29-133				
Benzo(b)fluoranthene	0.519	0.0416	"	0.831		62.4	25-133				
Benzo(g,h,i)perylene	0.506	0.0416	"	0.831		60.9	10-143				
Benzo(k)fluoranthene	0.497	0.0416	"	0.831		59.9	25-128				
Benzoic acid	0.185	0.0416	"	0.831		22.3	10-140				
Benzyl alcohol	0.389	0.0416	"	0.831		46.8	30-115				
Benzyl butyl phthalate	0.566	0.0416	"	0.831		68.1	26-126				
Bis(2-chloroethoxy)methane	0.440	0.0416	"	0.831		53.0	19-132				
Bis(2-chloroethyl)ether	0.375	0.0416	"	0.831		45.2	19-125				
Bis(2-chloroisopropyl)ether	0.349	0.0416	"	0.831		42.0	20-135				
Bis(2-ethylhexyl)phthalate	0.571	0.0416	"	0.831		68.7	10-155				
Caprolactam	0.508	0.0830	"	0.831		61.1	10-127				
Carbazole	0.476	0.0416	"	0.831		57.3	35-123				
Chrysene	0.482	0.0416	"	0.831		58.0	32-123				
Dibenzo(a,h)anthracene	0.540	0.0416	"	0.831		65.0	10-136				
Dibenzofuran	0.445	0.0416	"	0.831		53.6	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
LCS (BE20183-BS1) LCS							Prepared & Analyzed: 05/04/2022				
Diethyl phthalate	0.450	0.0416	mg/kg wet	0.831		54.1	34-116				
Dimethyl phthalate	0.457	0.0416	"	0.831		55.0	35-124				
Di-n-butyl phthalate	0.519	0.0416	"	0.831		62.4	31-116				
Di-n-octyl phthalate	0.562	0.0416	"	0.831		67.7	26-136				
Diphenylamine	0.628	0.0830	"	0.831		75.6	40-140				
Fluoranthene	0.479	0.0416	"	0.831		57.7	33-122				
Fluorene	0.431	0.0416	"	0.831		51.9	29-123				
Hexachlorobenzene	0.565	0.0416	"	0.831		68.1	21-124				
Hexachlorobutadiene	0.522	0.0416	"	0.831		62.8	10-149				
Hexachlorocyclopentadiene	0.319	0.0416	"	0.831		38.4	10-129				
Hexachloroethane	0.410	0.0416	"	0.831		49.4	28-108				
Indeno(1,2,3-cd)pyrene	0.579	0.0416	"	0.831		69.8	10-135				
Isophorone	0.466	0.0416	"	0.831		56.1	20-132				
Naphthalene	0.485	0.0416	"	0.831		58.4	23-124				
Nitrobenzene	0.513	0.0416	"	0.831		61.7	13-132				
N-Nitrosodimethylamine	0.328	0.0416	"	0.831		39.4	11-129				
N-nitroso-di-n-propylamine	0.389	0.0416	"	0.831		46.8	24-119				
N-Nitrosodiphenylamine	0.654	0.0416	"	0.831		78.8	22-152				
Pentachlorophenol	0.339	0.0416	"	0.831		40.8	10-139				
Phenanthrene	0.447	0.0416	"	0.831		53.8	33-123				
Phenol	0.490	0.0416	"	0.831		59.0	23-115				
Pyrene	0.507	0.0416	"	0.831		61.0	24-130				
Pyridine	0.300	0.166	"	0.831		36.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.862*		"	*1.66*		*51.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.839*		"	*1.66*		*50.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.524*		"	*0.831*		*63.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.435*		"	*0.831*		*52.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.17*		"	*1.66*		*70.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.514*		"	*0.831*		*61.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
Matrix Spike (BE20183-MS1) Matrix Spike	*Source sample: 22E0097-04 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
1,1-Biphenyl	0.566	0.0888	mg/kg dry	0.887	ND	63.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.531	0.177	"	0.887	ND	59.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.640	0.0888	"	0.887	ND	72.1	10-144				
2,3,4,6-Tetrachlorophenol	0.701	0.177	"	0.887	ND	79.0	30-130				
2,4,5-Trichlorophenol	0.554	0.0888	"	0.887	ND	62.4	10-127				
2,4,6-Trichlorophenol	0.598	0.0888	"	0.887	ND	67.4	10-132				
2,4-Dichlorophenol	0.659	0.0888	"	0.887	ND	74.2	10-128				
2,4-Dimethylphenol	0.702	0.0888	"	0.887	ND	79.1	10-137				
2,4-Dinitrophenol	ND	0.177	"	0.887	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.766	0.0888	"	0.887	ND	86.3	16-135				
2,6-Dinitrotoluene	0.754	0.0888	"	0.887	ND	85.0	18-131				
2-Chloronaphthalene	0.586	0.0888	"	0.887	ND	66.0	10-129				
2-Chlorophenol	0.546	0.0888	"	0.887	ND	61.5	15-116				
2-Methylnaphthalene	0.632	0.0888	"	0.887	ND	71.3	10-147				
2-Methylphenol	0.572	0.0888	"	0.887	ND	64.5	10-136				
2-Nitroaniline	0.693	0.177	"	0.887	ND	78.1	10-137				
2-Nitrophenol	0.919	0.0888	"	0.887	ND	104	10-129				
3- & 4-Methylphenols	0.488	0.0888	"	0.887	ND	55.0	10-123				
3,3-Dichlorobenzidine	0.560	0.0888	"	0.887	ND	63.1	10-155				
3-Nitroaniline	0.630	0.177	"	0.887	ND	71.0	12-133				
4,6-Dinitro-2-methylphenol	0.449	0.177	"	0.887	ND	50.6	10-155				
4-Bromophenyl phenyl ether	0.670	0.0888	"	0.887	ND	75.5	14-128				
4-Chloro-3-methylphenol	0.681	0.0888	"	0.887	ND	76.7	10-134				
4-Chloroaniline	0.344	0.0888	"	0.887	ND	38.7	10-145				
4-Chlorophenyl phenyl ether	0.549	0.0888	"	0.887	ND	61.8	14-130				
4-Nitroaniline	0.620	0.177	"	0.887	ND	69.9	10-147				
4-Nitrophenol	0.588	0.177	"	0.887	ND	66.2	10-137				
Acenaphthene	0.564	0.0888	"	0.887	ND	63.5	10-146				
Acenaphthylene	0.550	0.0888	"	0.887	ND	62.0	10-134				
Acetophenone	0.558	0.0888	"	0.887	ND	62.9	10-116				
Aniline	0.608	0.356	"	0.887	ND	68.5	10-123				
Anthracene	0.609	0.0888	"	0.887	ND	68.6	10-142				
Atrazine	0.687	0.0888	"	0.887	ND	77.4	19-115				
Benzaldehyde	0.605	0.0888	"	0.887	ND	68.2	10-125				
Benzo(a)anthracene	0.684	0.0888	"	0.887	ND	77.1	10-158				
Benzo(a)pyrene	0.738	0.0888	"	0.887	ND	83.2	10-180				
Benzo(b)fluoranthene	0.742	0.0888	"	0.887	ND	83.6	10-200				
Benzo(g,h,i)perylene	0.700	0.0888	"	0.887	ND	78.9	10-138				
Benzo(k)fluoranthene	0.729	0.0888	"	0.887	ND	82.2	10-197				
Benzoic acid	0.0497	0.0888	"	0.887	ND	5.60	10-166	Low Bias			
Benzyl alcohol	0.515	0.0888	"	0.887	ND	58.0	12-124				
Benzyl butyl phthalate	0.728	0.0888	"	0.887	ND	82.1	10-154				
Bis(2-chloroethoxy)methane	0.612	0.0888	"	0.887	ND	69.0	10-132				
Bis(2-chloroethyl)ether	0.472	0.0888	"	0.887	ND	53.2	10-119				
Bis(2-chloroisopropyl)ether	0.484	0.0888	"	0.887	ND	54.6	10-139				
Bis(2-ethylhexyl)phthalate	0.747	0.0888	"	0.887	ND	84.2	10-167				
Caprolactam	0.598	0.177	"	0.887	ND	67.4	10-132				
Carbazole	0.611	0.0888	"	0.887	ND	68.9	10-167				
Chrysene	0.676	0.0888	"	0.887	ND	76.2	10-156				
Dibenzo(a,h)anthracene	0.732	0.0888	"	0.887	ND	82.5	10-137				
Dibenzofuran	0.555	0.0888	"	0.887	ND	62.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
Matrix Spike (BE20183-MS1) Matrix Spike	*Source sample: 22E0097-04 (Matrix Spike)								Prepared & Analyzed: 05/04/2022		
Diethyl phthalate	0.583	0.0888	mg/kg dry	0.887	ND	65.7	20-120				
Dimethyl phthalate	0.566	0.0888	"	0.887	ND	63.8	18-131				
Di-n-butyl phthalate	0.657	0.0888	"	0.887	ND	74.0	10-137				
Di-n-octyl phthalate	0.761	0.0888	"	0.887	ND	85.8	10-180				
Diphenylamine	0.819	0.177	"	0.887	ND	92.3	40-140				
Fluoranthene	0.612	0.0888	"	0.887	ND	69.0	10-160				
Fluorene	0.554	0.0888	"	0.887	ND	62.5	10-157				
Hexachlorobenzene	0.747	0.0888	"	0.887	ND	84.2	10-137				
Hexachlorobutadiene	0.790	0.0888	"	0.887	ND	89.0	10-132				
Hexachlorocyclopentadiene	0.228	0.0888	"	0.887	ND	25.7	10-106				
Hexachloroethane	0.596	0.0888	"	0.887	ND	67.2	10-110				
Indeno(1,2,3-cd)pyrene	0.799	0.0888	"	0.887	ND	90.1	10-144				
Isophorone	0.643	0.0888	"	0.887	ND	72.5	10-132				
Naphthalene	0.656	0.0888	"	0.887	ND	73.9	10-141				
Nitrobenzene	0.669	0.0888	"	0.887	ND	75.4	10-131				
N-Nitrosodimethylamine	0.400	0.0888	"	0.887	ND	45.0	10-126				
N-nitroso-di-n-propylamine	0.515	0.0888	"	0.887	ND	58.0	10-125				
N-Nitrosodiphenylamine	0.821	0.0888	"	0.887	ND	92.5	10-177				
Pentachlorophenol	0.385	0.0888	"	0.887	ND	43.4	10-153				
Phenanthrene	0.593	0.0888	"	0.887	ND	66.8	10-148				
Phenol	0.656	0.0888	"	0.887	ND	73.9	10-126				
Pyrene	0.652	0.0888	"	0.887	ND	73.4	10-165				
Pyridine	0.356	0.356	"	0.887	ND	40.2	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.23*		"	*1.77*		*69.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.17*		"	*1.77*		*65.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.730*		"	*0.887*		*82.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.587*		"	*0.887*		*66.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.60*		"	*1.77*		*90.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.647*		"	*0.887*		*73.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
Matrix Spike Dup (BE20183-M Matrix Spike Dup	*Source sample: 22E0097-04 (Matrix Spike Dup)							Prepared & Analyzed: 05/04/2022			
1,1-Biphenyl	0.515	0.0888	mg/kg dry	0.887	ND	58.1	10-130		9.45	30	
1,2,4,5-Tetrachlorobenzene	0.459	0.177	"	0.887	ND	51.8	10-133		14.5	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.566	0.0888	"	0.887	ND	63.8	10-144		12.1	30	
2,3,4,6-Tetrachlorophenol	0.661	0.177	"	0.887	ND	74.5	30-130		5.84	30	
2,4,5-Trichlorophenol	0.459	0.0888	"	0.887	ND	51.7	10-127		18.8	30	
2,4,6-Trichlorophenol	0.496	0.0888	"	0.887	ND	55.9	10-132		18.7	30	
2,4-Dichlorophenol	0.589	0.0888	"	0.887	ND	66.4	10-128		11.1	30	
2,4-Dimethylphenol	0.586	0.0888	"	0.887	ND	66.0	10-137		18.1	30	
2,4-Dinitrophenol	ND	0.177	"	0.887	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.686	0.0888	"	0.887	ND	77.4	16-135		10.9	30	
2,6-Dinitrotoluene	0.659	0.0888	"	0.887	ND	74.3	18-131		13.4	30	
2-Chloronaphthalene	0.493	0.0888	"	0.887	ND	55.5	10-129		17.2	30	
2-Chlorophenol	0.442	0.0888	"	0.887	ND	49.8	15-116		21.0	30	
2-Methylnaphthalene	0.551	0.0888	"	0.887	ND	62.1	10-147		13.8	30	
2-Methylphenol	0.495	0.0888	"	0.887	ND	55.8	10-136		14.4	30	
2-Nitroaniline	0.588	0.177	"	0.887	ND	66.2	10-137		16.4	30	
2-Nitrophenol	0.774	0.0888	"	0.887	ND	87.3	10-129		17.0	30	
3- & 4-Methylphenols	0.409	0.0888	"	0.887	ND	46.1	10-123		17.6	30	
3,3-Dichlorobenzidine	0.489	0.0888	"	0.887	ND	55.1	10-155		13.5	30	
3-Nitroaniline	0.595	0.177	"	0.887	ND	67.0	12-133		5.68	30	
4,6-Dinitro-2-methylphenol	0.399	0.177	"	0.887	ND	45.0	10-155		11.9	30	
4-Bromophenyl phenyl ether	0.560	0.0888	"	0.887	ND	63.1	14-128		17.9	30	
4-Chloro-3-methylphenol	0.583	0.0888	"	0.887	ND	65.7	10-134		15.5	30	
4-Chloroaniline	0.303	0.0888	"	0.887	ND	34.2	10-145		12.5	30	
4-Chlorophenyl phenyl ether	0.527	0.0888	"	0.887	ND	59.4	14-130		3.96	30	
4-Nitroaniline	0.612	0.177	"	0.887	ND	69.0	10-147		1.38	30	
4-Nitrophenol	0.554	0.177	"	0.887	ND	62.4	10-137		5.97	30	
Acenaphthene	0.495	0.0888	"	0.887	ND	55.8	10-146		12.9	30	
Acenaphthylene	0.483	0.0888	"	0.887	ND	54.4	10-134		13.1	30	
Acetophenone	0.437	0.0888	"	0.887	ND	49.3	10-116		24.3	30	
Aniline	0.488	0.356	"	0.887	ND	55.0	10-123		21.8	30	
Anthracene	0.533	0.0888	"	0.887	ND	60.1	10-142		13.3	30	
Atrazine	0.571	0.0888	"	0.887	ND	64.3	19-115		18.5	30	
Benzaldehyde	0.512	0.0888	"	0.887	ND	57.8	10-125		16.6	30	
Benzo(a)anthracene	0.594	0.0888	"	0.887	ND	67.0	10-158		14.1	30	
Benzo(a)pyrene	0.625	0.0888	"	0.887	ND	70.5	10-180		16.6	30	
Benzo(b)fluoranthene	0.625	0.0888	"	0.887	ND	70.5	10-200		17.0	30	
Benzo(g,h,i)perylene	0.605	0.0888	"	0.887	ND	68.2	10-138		14.6	30	
Benzo(k)fluoranthene	0.646	0.0888	"	0.887	ND	72.8	10-197		12.1	30	
Benzoic acid	0.0554	0.0888	"	0.887	ND	6.24	10-166	Low Bias	10.8	30	
Benzyl alcohol	0.452	0.0888	"	0.887	ND	51.0	12-124		12.9	30	
Benzyl butyl phthalate	0.611	0.0888	"	0.887	ND	68.9	10-154		17.5	30	
Bis(2-chloroethoxy)methane	0.517	0.0888	"	0.887	ND	58.2	10-132		16.9	30	
Bis(2-chloroethyl)ether	0.396	0.0888	"	0.887	ND	44.6	10-119		17.5	30	
Bis(2-chloroisopropyl)ether	0.408	0.0888	"	0.887	ND	46.0	10-139		17.0	30	
Bis(2-ethylhexyl)phthalate	0.640	0.0888	"	0.887	ND	72.2	10-167		15.4	30	
Caprolactam	0.610	0.177	"	0.887	ND	68.8	10-132		2.12	30	
Carbazole	0.524	0.0888	"	0.887	ND	59.0	10-167		15.4	30	
Chrysene	0.579	0.0888	"	0.887	ND	65.3	10-156		15.4	30	
Dibenzo(a,h)anthracene	0.636	0.0888	"	0.887	ND	71.7	10-137		14.0	30	
Dibenzofuran	0.482	0.0888	"	0.887	ND	54.3	10-147		14.1	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20183 - EPA 3546 SVOA											
Matrix Spike Dup (BE20183-M Matrix Spike Dup	*Source sample: 22E0097-04 (Matrix Spike Dup)							Prepared & Analyzed: 05/04/2022			
Diethyl phthalate	0.519	0.0888	mg/kg dry	0.887	ND	58.5	20-120		11.6	30	
Dimethyl phthalate	0.511	0.0888	"	0.887	ND	57.6	18-131		10.2	30	
Di-n-butyl phthalate	0.571	0.0888	"	0.887	ND	64.3	10-137		14.0	30	
Di-n-octyl phthalate	0.654	0.0888	"	0.887	ND	73.7	10-180		15.2	30	
Diphenylamine	0.703	0.177	"	0.887	ND	79.2	40-140		15.3	30	
Fluoranthene	0.547	0.0888	"	0.887	ND	61.7	10-160		11.1	30	
Fluorene	0.495	0.0888	"	0.887	ND	55.8	10-157		11.4	30	
Hexachlorobenzene	0.602	0.0888	"	0.887	ND	67.8	10-137		21.6	30	
Hexachlorobutadiene	0.621	0.0888	"	0.887	ND	70.0	10-132		23.9	30	
Hexachlorocyclopentadiene	0.190	0.0888	"	0.887	ND	21.4	10-106		18.4	30	
Hexachloroethane	0.488	0.0888	"	0.887	ND	55.0	10-110		19.9	30	
Indeno(1,2,3-cd)pyrene	0.695	0.0888	"	0.887	ND	78.3	10-144		14.0	30	
Isophorone	0.536	0.0888	"	0.887	ND	60.4	10-132		18.2	30	
Naphthalene	0.578	0.0888	"	0.887	ND	65.1	10-141		12.7	30	
Nitrobenzene	0.584	0.0888	"	0.887	ND	65.8	10-131		13.5	30	
N-Nitrosodimethylamine	0.368	0.0888	"	0.887	ND	41.5	10-126		8.13	30	
N-nitroso-di-n-propylamine	0.451	0.0888	"	0.887	ND	50.8	10-125		13.2	30	
N-Nitrosodiphenylamine	0.731	0.0888	"	0.887	ND	82.4	10-177		11.5	30	
Pentachlorophenol	0.297	0.0888	"	0.887	ND	33.4	10-153		25.8	30	
Phenanthrene	0.520	0.0888	"	0.887	ND	58.6	10-148		13.1	30	
Phenol	0.510	0.0888	"	0.887	ND	57.5	10-126		25.0	30	
Pyrene	0.574	0.0888	"	0.887	ND	64.6	10-165		12.7	30	
Pyridine	0.327	0.356	"	0.887	ND	36.9	10-83		8.52	30	
Surrogate: SURR: 2-Fluorophenol	*1.03*		"	*1.77*		*58.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.938*		"	*1.77*		*52.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.637*		"	*0.887*		*71.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.498*		"	*0.887*		*56.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.24*		"	*1.77*		*70.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.537*		"	*0.887*		*60.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20260 - EPA 3550C											
Blank (BE20260-BLK1) Blank								Prepared & Analyzed: 05/05/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*39-127.5*				
LCS (BE20260-BS1) LCS								Prepared & Analyzed: 05/05/2022			
1,4-Dioxane	463	19.8	ug/kg	495		93.6	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BE20260-MS1) Matrix Spike *Source sample: 22E0097-04 (Matrix Spike)								Prepared & Analyzed: 05/05/2022			
1,4-Dioxane	474	19.8	ug/kg	495	ND	95.8	40-130				
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*40-130*				
Matrix Spike Dup (BE20260-M Matrix Spike Dup *Source sample: 22E0097-04 (Matrix Spike Dup)								Prepared & Analyzed: 05/05/2022			
1,4-Dioxane	475	19.8	ug/kg	495	ND	96.0	40-130		0.209	30	
Surrogate: 1,4-Dioxane-d8	*248*		*"*	*495*		*50.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20209 - SPE Ext-PFAS-EPA 537.1M											
Blank (BE20209-BLK1) Blank									Prepared & Analyzed: 05/04/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*78.9*		"	*74.3*		*106*	*25-150*				
Surrogate: M5PFHxA	*87.9*		"	*80.0*		*110*	*25-150*				
Surrogate: M4PFHpA	*86.6*		"	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*83.7*		"	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.8*		"	*80.0*		*113*	*25-150*				
Surrogate: M6PFDA	*90.7*		"	*80.0*		*113*	*25-150*				
Surrogate: M7PFUdA	*91.1*		"	*80.0*		*114*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*82.5*		"	*80.0*		*103*	*25-150*				
Surrogate: M2PFTeDA	*77.6*		"	*80.0*		*97.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.9*		"	*80.0*		*99.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*99.9*		"	*76.6*		*130*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.3*		"	*80.0*		*97.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*50.6*		"	*80.0*		*63.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*89.1*		"	*80.0*		*111*	*25-150*				
Surrogate: d5-N-EtFOSAA	*94.0*		"	*80.0*		*118*	*25-150*				
Surrogate: M2-6:2 FTS	*72.7*		"	*75.9*		*95.7*	*25-200*				
Surrogate: M2-8:2 FTS	*157*		"	*76.6*		*205*	*25-200*				
Surrogate: M9PFNA	*90.7*		"	*80.0*		*113*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20209 - SPE Ext-PFAS-EPA 537.1M											
LCS (BE20209-BS1) LCS									Prepared: 05/04/2022 Analyzed: 05/05/2022		
Perfluorobutanesulfonic acid (PFBS)	79.4	2.00	ng/L	70.8		112	50-130				
Perfluorohexanoic acid (PFHxA)	80.9	2.00	"	80.0		101	50-130				
Perfluoroheptanoic acid (PFHpA)	88.6	2.00	"	80.0		111	50-130				
Perfluorohexanesulfonic acid (PFHxS)	93.7	2.00	"	72.8		129	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	86.6	2.00	"	74.0		117	50-130				
Perfluorononanoic acid (PFNA)	79.5	2.00	"	80.0		99.4	50-130				
Perfluorodecanoic acid (PFDA)	82.0	2.00	"	80.0		102	50-130				
Perfluoroundecanoic acid (PFUnA)	75.8	2.00	"	80.0		94.8	50-130				
Perfluorododecanoic acid (PFDoA)	81.7	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTrDA)	86.7	2.00	"	80.0		108	50-130				
Perfluorotetradecanoic acid (PFTA)	82.2	2.00	"	80.0		103	50-130				
N-MeFOSAA	77.1	2.00	"	80.0		96.3	50-130				
N-EtFOSAA	84.8	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	84.1	2.00	"	80.0		105	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	74.3	2.00	"	80.0		92.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.9	2.00	"	76.4		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	77.6	2.00	"	77.2		101	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	77.2	5.00	"	76.0		102	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	76.5	2.00	"	76.8		99.7	50-175				
Perfluoro-n-butanoic acid (PFBA)	85.4	2.00	"	80.0		107	50-130				
Surrogate: M3PFBS	*72.4*		"	*74.3*		*97.4*	*25-150*				
Surrogate: M5PFHxA	*84.3*		"	*80.0*		*105*	*25-150*				
Surrogate: M4PFHpA	*81.8*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*81.6*		"	*75.7*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.0*		"	*80.0*		*114*	*25-150*				
Surrogate: M6PFDA	*84.7*		"	*80.0*		*106*	*25-150*				
Surrogate: M7PFUdA	*87.4*		"	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.9*		"	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*75.6*		"	*80.0*		*94.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.1*		"	*80.0*		*97.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*80.9*		"	*76.6*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.4*		"	*80.0*		*98.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.6*		"	*80.0*		*65.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*94.0*		"	*80.0*		*117*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.0*		"	*80.0*		*98.8*	*25-150*				
Surrogate: M2-6:2 FTS	*99.9*		"	*75.9*		*132*	*25-200*				
Surrogate: M2-8:2 FTS	*160*		"	*76.6*		*209*	*25-200*				
Surrogate: M9PFNA	*89.4*		"	*80.0*		*112*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20209 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BE20209-BSD1) LCS Dup								Prepared: 05/04/2022 Analyzed: 05/05/2022			
Perfluorobutanesulfonic acid (PFBS)	68.0	2.00	ng/L	70.8		96.0	50-130		15.6	30	
Perfluorohexanoic acid (PFHxA)	73.7	2.00	"	80.0		92.1	50-130		9.37	30	
Perfluoroheptanoic acid (PFHpA)	70.0	2.00	"	80.0		87.5	50-130		23.4	30	
Perfluorohexanesulfonic acid (PFHxS)	78.5	2.00	"	72.8		108	50-130		17.7	30	
Perfluorooctanoic acid (PFOA)	74.7	2.00	"	80.0		93.4	50-130		5.29	30	
Perfluorooctanesulfonic acid (PFOS)	67.1	2.00	"	74.0		90.7	50-130		25.4	30	
Perfluorononanoic acid (PFNA)	69.9	2.00	"	80.0		87.3	50-130		12.9	30	
Perfluorodecanoic acid (PFDA)	71.4	2.00	"	80.0		89.2	50-130		13.8	30	
Perfluoroundecanoic acid (PFUnA)	73.8	2.00	"	80.0		92.3	50-130		2.67	30	
Perfluorododecanoic acid (PFDoA)	72.5	2.00	"	80.0		90.6	50-130		12.0	30	
Perfluorotridecanoic acid (PFTrDA)	57.0	2.00	"	80.0		71.2	50-130		41.4	30	Non-dir.
Perfluorotetradecanoic acid (PFTA)	74.2	2.00	"	80.0		92.7	50-130		10.2	30	
N-MeFOSAA	66.6	2.00	"	80.0		83.2	50-130		14.6	30	
N-EtFOSAA	69.2	2.00	"	80.0		86.5	50-130		20.3	30	
Perfluoropentanoic acid (PFPeA)	75.2	2.00	"	80.0		93.9	50-130		11.3	30	
Perfluoro-1-octanesulfonamide (FOSA)	76.7	2.00	"	80.0		95.9	50-130		3.10	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	63.9	2.00	"	76.4		83.6	50-130		27.1	30	
Perfluoro-1-decanesulfonic acid (PFDS)	61.2	2.00	"	77.2		79.3	50-130		23.6	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	84.0	5.00	"	76.0		111	50-175		8.45	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	81.4	2.00	"	76.8		106	50-175		6.20	30	
Perfluoro-n-butanoic acid (PFBA)	75.1	2.00	"	80.0		93.9	50-130		12.9	30	
Surrogate: M3PFBS	*79.1*		"	*74.3*		*106*	*25-150*				
Surrogate: M5PFHxA	*87.8*		"	*80.0*		*110*	*25-150*				
Surrogate: M4PFHpA	*94.5*		"	*80.0*		*118*	*25-150*				
Surrogate: M3PFHxS	*88.5*		"	*75.7*		*117*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.3*		"	*80.0*		*114*	*25-150*				
Surrogate: M6PFDA	*90.1*		"	*80.0*		*113*	*25-150*				
Surrogate: M7PFUdA	*82.8*		"	*80.0*		*103*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.6*		"	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*68.8*		"	*80.0*		*86.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*84.0*		"	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*98.9*		"	*76.6*		*129*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*83.6*		"	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.7*		"	*80.0*		*62.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*90.7*		"	*80.0*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*81.6*		"	*80.0*		*102*	*25-150*				
Surrogate: M2-6:2 FTS	*78.4*		"	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*135*		"	*76.6*		*176*	*25-200*				
Surrogate: M9PFNA	*95.2*		"	*80.0*		*119*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20246 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BE20246-BLK1) Blank									Prepared: 05/04/2022 Analyzed: 05/06/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.235	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.235	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.235	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.235	"								
Perfluorooctanoic acid (PFOA)	ND	0.235	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.235	"								
Perfluorononanoic acid (PFNA)	ND	0.235	"								
Perfluorodecanoic acid (PFDA)	ND	0.235	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.235	"								
Perfluorododecanoic acid (PFDoA)	ND	0.235	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.235	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.235	"								
N-MeFOSAA	ND	0.235	"								
N-EtFOSAA	ND	0.235	"								
Perfluoropentanoic acid (PFPeA)	ND	0.235	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.235	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.235	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.235	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.235	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.235	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.235	"								
Surrogate: M3PFBS	*5.13*		"	*4.38*		*117*	*25-150*				
Surrogate: M5PFHxA	*5.15*		"	*4.71*		*109*	*25-150*				
Surrogate: M4PFHpA	*4.75*		"	*4.71*		*101*	*25-150*				
Surrogate: M3PFHxS	*4.98*		"	*4.46*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.59*		"	*4.71*		*97.5*	*25-150*				
Surrogate: M6PFDA	*4.03*		"	*4.71*		*85.5*	*25-150*				
Surrogate: M7PFUdA	*3.54*		"	*4.71*		*75.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.51*		"	*4.71*		*74.6*	*25-150*				
Surrogate: M2PFTeDA	*2.24*		"	*4.71*		*47.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.65*		"	*4.71*		*120*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.53*		"	*4.51*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.44*		"	*4.71*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.25*		"	*4.71*		*90.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.56*		"	*4.71*		*75.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.51*		"	*4.71*		*74.5*	*25-150*				
Surrogate: M2-6:2 FTS	*5.50*		"	*4.47*		*123*	*25-200*				
Surrogate: M2-8:2 FTS	*8.93*		"	*4.51*		*198*	*25-200*				
Surrogate: M9PFNA	*4.87*		"	*4.71*		*103*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20246 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BE20246-BS1) LCS									Prepared: 05/04/2022 Analyzed: 05/06/2022		
Perfluorobutanesulfonic acid (PFBS)	4.99	0.249	ug/kg wet	4.41		113	50-130				
Perfluorohexanoic acid (PFHxA)	4.81	0.249	"	4.98		96.6	50-130				
Perfluoroheptanoic acid (PFHpA)	4.88	0.249	"	4.98		98.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.96	0.249	"	4.53		109	50-130				
Perfluorooctanoic acid (PFOA)	4.94	0.249	"	4.98		99.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.20	0.249	"	4.61		91.3	50-130				
Perfluorononanoic acid (PFNA)	5.06	0.249	"	4.98		102	50-130				
Perfluorodecanoic acid (PFDA)	4.72	0.249	"	4.98		94.9	50-130				
Perfluoroundecanoic acid (PFUnA)	5.17	0.249	"	4.98		104	50-130				
Perfluorododecanoic acid (PFDoA)	4.63	0.249	"	4.98		93.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.02	0.249	"	4.98		60.6	50-130				
Perfluorotetradecanoic acid (PFTA)	5.24	0.249	"	4.98		105	50-130				
N-MeFOSAA	4.49	0.249	"	4.98		90.2	50-130				
N-EtFOSAA	3.96	0.249	"	4.98		79.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.89	0.249	"	4.98		98.3	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.23	0.249	"	4.98		105	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.38	0.249	"	4.75		92.2	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.40	0.249	"	4.80		70.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.04	0.249	"	4.73		106	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.87	0.249	"	4.78		80.9	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.86	0.249	"	4.98		97.7	50-130				
Surrogate: M3PFBS	*4.51*		"	*4.63*		*97.6*	*25-150*				
Surrogate: M5PFHxA	*5.81*		"	*4.98*		*117*	*25-150*				
Surrogate: M4PFHpA	*5.36*		"	*4.98*		*108*	*25-150*				
Surrogate: M3PFHxS	*5.47*		"	*4.71*		*116*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.45*		"	*4.98*		*109*	*25-150*				
Surrogate: M6PFDA	*4.60*		"	*4.98*		*92.3*	*25-150*				
Surrogate: M7PFUdA	*3.90*		"	*4.98*		*78.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.09*		"	*4.98*		*82.1*	*25-150*				
Surrogate: M2PFTeDA	*2.40*		"	*4.98*		*48.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.95*		"	*4.98*		*120*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.33*		"	*4.76*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.49*		"	*4.98*		*110*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.93*		"	*4.98*		*78.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.45*		"	*4.98*		*89.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.31*		"	*4.98*		*86.6*	*25-150*				
Surrogate: M2-6:2 FTS	*4.48*		"	*4.72*		*94.8*	*25-200*				
Surrogate: M2-8:2 FTS	*6.55*		"	*4.77*		*137*	*25-200*				
Surrogate: M9PFNA	*4.84*		"	*4.98*		*97.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE20246 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BE20246-MS1) Matrix Spike *Source sample: 22E0097-04 (Matrix Spike) Prepared: 05/04/2022 Analyzed: 05/06/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.11	0.265	ug/kg dry	4.69	ND	109	25-150				
Perfluorohexanoic acid (PFHxA)	4.83	0.265	"	5.30	ND	91.1	25-150				
Perfluoroheptanoic acid (PFHpA)	5.53	0.265	"	5.30	ND	104	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.43	0.265	"	4.82	ND	113	25-150				
Perfluorooctanoic acid (PFOA)	5.17	0.265	"	5.30	ND	97.7	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.21	0.265	"	4.90	ND	106	25-150				
Perfluorononanoic acid (PFNA)	4.89	0.265	"	5.30	ND	92.2	25-150				
Perfluorodecanoic acid (PFDA)	4.61	0.265	"	5.30	ND	87.1	25-150				
Perfluoroundecanoic acid (PFUnA)	5.00	0.265	"	5.30	ND	94.4	25-150				
Perfluorododecanoic acid (PFDoA)	5.26	0.265	"	5.30	ND	99.3	25-150				
Perfluorotridecanoic acid (PFTrDA)	3.67	0.265	"	5.30	ND	69.4	25-150				
Perfluorotetradecanoic acid (PFTA)	6.21	0.265	"	5.30	ND	117	25-150				
N-MeFOSAA	4.94	0.265	"	5.30	ND	93.3	25-150				
N-EtFOSAA	4.29	0.265	"	5.30	ND	81.0	25-150				
Perfluoropentanoic acid (PFPeA)	5.28	0.265	"	5.30	ND	99.7	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.12	0.265	"	5.30	ND	96.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.92	0.265	"	5.06	ND	97.3	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.65	0.265	"	5.11	ND	71.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.75	0.265	"	5.03	ND	134	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.26	0.265	"	5.09	ND	83.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.19	0.265	"	5.30	ND	98.0	25-150				
Surrogate: M3PFBS	*4.48*		*"*	*4.92*		*91.1*	*25-150*				
Surrogate: M5PFHxA	*5.87*		*"*	*5.30*		*111*	*25-150*				
Surrogate: M4PFHpA	*5.20*		*"*	*5.30*		*98.1*	*25-150*				
Surrogate: M3PFHxS	*4.31*		*"*	*5.01*		*86.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.80*		*"*	*5.30*		*109*	*25-150*				
Surrogate: M6PFDA	*5.28*		*"*	*5.30*		*99.6*	*25-150*				
Surrogate: M7PFUdA	*4.65*		*"*	*5.30*		*87.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.23*		*"*	*5.30*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*3.11*		*"*	*5.30*		*58.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.91*		*"*	*5.30*		*112*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.30*		*"*	*5.07*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.51*		*"*	*5.30*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.46*		*"*	*5.30*		*84.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.46*		*"*	*5.30*		*84.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.05*		*"*	*5.30*		*95.3*	*25-150*				
Surrogate: M2-6:2 FTS	*4.29*		*"*	*5.03*		*85.3*	*25-200*				
Surrogate: M2-8:2 FTS	*7.44*		*"*	*5.08*		*147*	*25-200*				
Surrogate: M9PFNA	*5.60*		*"*	*5.30*		*106*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE20246 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BE20246-M Matrix Spike Dup *Source sample: 22E0097-04 (Matrix Spike Dup) Prepared: 05/04/2022 Analyzed: 05/06/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.85	0.264	ug/kg dry	4.68	ND	104	25-150		5.33	35	
Perfluorohexanoic acid (PFHxA)	4.95	0.264	"	5.29	ND	93.6	25-150		2.54	35	
Perfluoroheptanoic acid (PFHpA)	5.72	0.264	"	5.29	ND	108	25-150		3.37	35	
Perfluorohexanesulfonic acid (PFHxS)	5.10	0.264	"	4.81	ND	106	25-150		6.23	35	
Perfluorooctanoic acid (PFOA)	4.86	0.264	"	5.29	ND	91.9	25-150		6.21	35	
Perfluorooctanesulfonic acid (PFOS)	4.54	0.264	"	4.89	ND	92.8	25-150		13.7	35	
Perfluorononanoic acid (PFNA)	4.85	0.264	"	5.29	ND	91.8	25-150		0.670	35	
Perfluorodecanoic acid (PFDA)	4.61	0.264	"	5.29	ND	87.1	25-150		0.123	35	
Perfluoroundecanoic acid (PFUnA)	5.44	0.264	"	5.29	ND	103	25-150		8.47	35	
Perfluorododecanoic acid (PFDoA)	4.94	0.264	"	5.29	ND	93.5	25-150		6.23	35	
Perfluorotridecanoic acid (PFTrDA)	4.40	0.264	"	5.29	ND	83.2	25-150		18.0	35	
Perfluorotetradecanoic acid (PFTA)	5.76	0.264	"	5.29	ND	109	25-150		7.63	35	
N-MeFOSAA	4.11	0.264	"	5.29	ND	77.7	25-150		18.5	35	
N-EtFOSAA	4.61	0.264	"	5.29	ND	87.2	25-150		7.17	35	
Perfluoropentanoic acid (PFPeA)	5.06	0.264	"	5.29	ND	95.7	25-150		4.21	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.79	0.264	"	5.29	ND	109	25-150		12.3	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.86	0.264	"	5.05	ND	96.1	25-150		1.32	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.51	0.264	"	5.10	ND	68.7	25-150		3.88	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.21	0.264	"	5.03	ND	104	25-200		25.8	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.01	0.264	"	5.08	ND	78.9	25-200		6.14	35	
Perfluoro-n-butanoic acid (PFBA)	5.14	0.264	"	5.29	ND	97.1	25-150		1.06	35	
Surrogate: M3PFBS	*4.39*		"	*4.91*		*89.4*	*25-150*				
Surrogate: M5PFHxA	*5.45*		"	*5.29*		*103*	*25-150*				
Surrogate: M4PFHpA	*4.66*		"	*5.29*		*88.1*	*25-150*				
Surrogate: M3PFHxS	*4.44*		"	*5.00*		*88.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.63*		"	*5.29*		*106*	*25-150*				
Surrogate: M6PFDA	*4.97*		"	*5.29*		*93.9*	*25-150*				
Surrogate: M7PFUdA	*4.09*		"	*5.29*		*77.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.09*		"	*5.29*		*77.3*	*25-150*				
Surrogate: M2PFTeDA	*2.83*		"	*5.29*		*53.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.68*		"	*5.29*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.31*		"	*5.06*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.34*		"	*5.29*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.81*		"	*5.29*		*72.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.20*		"	*5.29*		*98.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.40*		"	*5.29*		*83.3*	*25-150*				
Surrogate: M2-6:2 FTS	*4.56*		"	*5.02*		*90.8*	*25-200*				
Surrogate: M2-8:2 FTS	*8.01*		"	*5.07*		*158*	*25-200*				
Surrogate: M9PFNA	*5.24*		"	*5.29*		*99.0*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20181 - EPA 3550C											
Blank (BE20181-BLK1) Blank									Prepared & Analyzed: 05/04/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0462*		*"*	*0.0664*		*69.5*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0524*		*"*	*0.0664*		*78.9*	*30-150*				
LCS (BE20181-BS1) LCS									Prepared & Analyzed: 05/04/2022		
4,4'-DDD	0.0238	0.00164	mg/kg wet	0.0332		71.5	40-140				
4,4'-DDE	0.0232	0.00164	"	0.0332		69.9	40-140				
4,4'-DDT	0.0167	0.00164	"	0.0332		50.3	40-140				
Aldrin	0.0281	0.00164	"	0.0332		84.6	40-140				
alpha-BHC	0.0278	0.00164	"	0.0332		83.8	40-140				
alpha-Chlordane	0.0270	0.00164	"	0.0332		81.4	40-140				
beta-BHC	0.0238	0.00164	"	0.0332		71.6	40-140				
delta-BHC	0.0247	0.00164	"	0.0332		74.3	40-140				
Dieldrin	0.0264	0.00164	"	0.0332		79.4	40-140				
Endosulfan I	0.0284	0.00164	"	0.0332		85.3	40-140				
Endosulfan II	0.0273	0.00164	"	0.0332		82.2	40-140				
Endosulfan sulfate	0.0261	0.00164	"	0.0332		78.7	40-140				
Endrin	0.0218	0.00164	"	0.0332		65.6	40-140				
Endrin aldehyde	0.0249	0.00164	"	0.0332		74.8	40-140				
Endrin ketone	0.0267	0.00164	"	0.0332		80.5	40-140				
gamma-BHC (Lindane)	0.0268	0.00164	"	0.0332		80.6	40-140				
gamma-Chlordane	0.0263	0.00164	"	0.0332		79.1	40-140				
Heptachlor	0.0251	0.00164	"	0.0332		75.5	40-140				
Heptachlor epoxide	0.0279	0.00164	"	0.0332		83.8	40-140				
Methoxychlor	0.0183	0.00164	"	0.0332		55.0	40-140				
Surrogate: Decachlorobiphenyl	*0.0472*		*"*	*0.0664*		*71.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0592*		*"*	*0.0664*		*89.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20181 - EPA 3550C											
Blank (BE20181-BLK2) Blank								Prepared & Analyzed: 05/04/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0618*		"	*0.0664*		*93.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0571*		"	*0.0664*		*86.0*	*30-150*				
LCS (BE20181-BS2) LCS								Prepared & Analyzed: 05/04/2022			
Aroclor 1016	0.275	0.0166	mg/kg wet	0.332		82.7	40-140			30	
Aroclor 1260	0.288	0.0166	"	0.332		86.8	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0502*		"	*0.0664*		*75.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0492*		"	*0.0664*		*74.0*	*30-150*				
Matrix Spike (BE20181-MS2) Matrix Spike *Source sample: 22D1430-05 (Matrix Spike)								Prepared: 05/04/2022 Analyzed: 05/05/2022			
Aroclor 1016	0.329	0.0176	mg/kg dry	0.351	ND	93.6	40-140			30	
Aroclor 1260	0.346	0.0176	"	0.351	ND	98.5	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0703*		"	*0.0703*		*100*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0668*		"	*0.0703*		*95.0*	*30-150*				
Matrix Spike Dup (BE20181-M Matrix Spike Dup *Source sample: 22D1430-05 (Matrix Spike Dup)								Prepared: 05/04/2022 Analyzed: 05/05/2022			
Aroclor 1016	0.297	0.0176	mg/kg dry	0.351	ND	84.6	40-140		10.1	30	
Aroclor 1260	0.311	0.0176	"	0.351	ND	88.6	40-140		10.6	30	
Surrogate: Tetrachloro-m-xylene	*0.0622*		"	*0.0703*		*88.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0569*		"	*0.0703*		*81.0*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20226 - EPA 3550C/8151A											
Blank (BE20226-BLK1) Blank									Prepared: 05/04/2022 Analyzed: 05/05/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.281*		*"*	*0.415*		*67.6*	*21-150*				
LCS (BE20226-BS1) LCS									Prepared: 05/04/2022 Analyzed: 05/05/2022		
2,4,5-T	0.0731	0.0199	mg/kg wet	0.133		55.0	10-120				
2,4,5-TP (Silvex)	0.0797	0.0199	"	0.133		60.0	10-120				
2,4-D	0.0839	0.0199	"	0.133		63.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.295*		*"*	*0.415*		*71.0*	*21-150*				
Matrix Spike (BE20226-MS1) Matrix Spike *Source sample: 22E0097-04 (Matrix Spike)									Prepared: 05/04/2022 Analyzed: 05/05/2022		
2,4,5-T	0.0861	0.0213	mg/kg dry	0.142	ND	60.6	10-120				
2,4,5-TP (Silvex)	0.0896	0.0213	"	0.142	ND	63.1	10-120				
2,4-D	0.0949	0.0213	"	0.142	ND	66.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.305*		*"*	*0.444*		*68.8*	*21-150*				
Matrix Spike Dup (BE20226-M Matrix Spike Dup *Source sample: 22E0097-04 (Matrix Spike Dup)									Prepared: 05/04/2022 Analyzed: 05/05/2022		
2,4,5-T	0.0807	0.0213	mg/kg dry	0.142	ND	56.9	10-120		6.38	35	
2,4,5-TP (Silvex)	0.0843	0.0213	"	0.142	ND	59.4	10-120		6.12	35	
2,4-D	0.0976	0.0213	"	0.142	ND	68.8	10-118		2.76	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.329*		*"*	*0.444*		*74.2*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20421 - EPA 3050B											
Blank (BE20421-BLK1) Blank									Prepared: 05/07/2022 Analyzed: 05/09/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	17.7	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BE20421-DUP1) Duplicate			*Source sample: 22E0141-02 (Duplicate)						Prepared: 05/07/2022 Analyzed: 05/09/2022		
Aluminum	6350	5.83	mg/kg dry		6080				4.33	35	
Antimony	ND	2.92	"		ND					35	
Arsenic	5.65	1.75	"		3.88				37.2	35	Non-dir.
Barium	149	2.92	"		133				11.0	35	
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.350	"		ND					35	
Calcium	4640	5.83	"		6520				33.7	35	
Chromium	73.1	0.583	"		28.1				88.9	35	Non-dir.
Cobalt	19.2	0.467	"		13.7				33.7	35	
Copper	79.1	2.33	"		68.0				15.2	35	
Iron	21000	29.2	"		17200				19.8	35	
Lead	514	0.583	"		371				32.3	35	
Magnesium	18300	5.83	"		10200				56.6	35	Non-dir.
Manganese	315	0.583	"		307				2.55	35	
Nickel	456	1.17	"		207				75.3	35	Non-dir.
Potassium	1190	5.83	"		1110				7.14	35	
Selenium	ND	2.92	"		ND					35	
Silver	ND	0.583	"		ND					35	
Sodium	401	58.3	"		340				16.3	35	
Thallium	ND	2.92	"		ND					35	
Vanadium	23.9	1.17	"		21.4				10.8	35	
Zinc	351	2.92	"		229				41.7	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20421 - EPA 3050B											
Matrix Spike (BE20421-MS1) Matrix Spike	*Source sample: 22E0141-02 (Matrix Spike)								Prepared: 05/07/2022 Analyzed: 05/09/2022		
Aluminum	8030	5.83	mg/kg dry	233	6080	834	75-125	High Bias			
Antimony	11.9	2.92	"	29.2	ND	40.8	75-125	Low Bias			
Arsenic	245	1.75	"	233	3.88	103	75-125				
Barium	473	2.92	"	233	133	145	75-125	High Bias			
Beryllium	6.22	0.058	"	5.83	ND	107	75-125				
Cadmium	6.99	0.350	"	5.83	ND	120	75-125				
Calcium	5220	5.83	"	117	6520	NR	75-125	Low Bias			
Chromium	59.8	0.583	"	23.3	28.1	136	75-125	High Bias			
Cobalt	79.3	0.467	"	58.3	13.7	112	75-125				
Copper	124	2.33	"	29.2	68.0	191	75-125	High Bias			
Iron	21300	29.2	"	117	17200	NR	75-125	High Bias			
Lead	1020	0.583	"	58.3	371	NR	75-125	High Bias			
Magnesium	8310	5.83	"	117	10200	NR	75-125	Low Bias			
Manganese	387	0.583	"	58.3	307	137	75-125	High Bias			
Nickel	233	1.17	"	58.3	207	44.9	75-125	Low Bias			
Potassium	1490	5.83	"	117	1110	323	75-125	High Bias			
Selenium	197	2.92	"	233	ND	84.5	75-125				
Silver	4.11	0.583	"	5.83	ND	70.5	75-125	Low Bias			
Sodium	469	58.3	"	117	340	110	75-125				
Thallium	269	2.92	"	233	ND	115	75-125				
Vanadium	89.9	1.17	"	58.3	21.4	117	75-125				
Zinc	439	2.92	"	58.3	229	359	75-125	High Bias			
Post Spike (BE20421-PS1) Post Spike	*Source sample: 22E0141-02 (Post Spike)								Prepared: 05/07/2022 Analyzed: 05/09/2022		
Aluminum	52.0		ug/mL	2.00	52.1	NR	75-125	Low Bias			
Antimony	0.254		"	0.250	-0.007	102	75-125				
Arsenic	2.01		"	2.00	0.033	98.8	75-125				
Barium	3.22		"	2.00	1.14	104	75-125				
Beryllium	0.050		"	0.0500	-0.0007	99.8	75-125				
Cadmium	0.053		"	0.0500	0.002	100	75-125				
Calcium	55.6		"	1.00	55.9	NR	75-125	Low Bias			
Chromium	0.439		"	0.200	0.241	99.1	75-125				
Cobalt	0.644		"	0.500	0.117	105	75-125				
Copper	0.851		"	0.250	0.582	108	75-125				
Iron	144		"	1.00	147	NR	75-125	Low Bias			
Lead	3.67		"	0.500	3.18	98.0	75-125				
Magnesium	85.7		"	1.00	87.4	NR	75-125	Low Bias			
Manganese	3.15		"	0.500	2.63	102	75-125				
Nickel	2.27		"	0.500	1.77	101	75-125				
Potassium	10.1		"	1.00	9.52	53.0	75-125	Low Bias			
Selenium	1.71		"	2.00	-0.037	85.4	75-125				
Silver	0.041		"	0.0500	-0.012	81.3	75-125				
Sodium	3.84		"	1.00	2.92	92.4	75-125				
Thallium	2.24		"	2.00	-0.039	112	75-125				
Vanadium	0.690		"	0.500	0.183	101	75-125				
Zinc	2.42		"	0.500	1.97	89.8	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20421 - EPA 3050B											
Reference (BE20421-SRM1) Reference								Prepared: 05/07/2022 Analyzed: 05/09/2022			
Aluminum	10300	5.00	mg/kg wet	10100		102	39.5-118.8				
Antimony	92.1	2.50	"	244		37.7	10-123				
Arsenic	105	1.50	"	109		95.9	63.7-118.3				
Barium	386	2.50	"	364		106	70.3-117				
Beryllium	58.4	0.050	"	57.0		102	69.3-115.4				
Cadmium	47.7	0.300	"	48.7		98.0	67.8-112.9				
Calcium	5400	5.00	"	5190		104	66.3-116.6				
Chromium	181	0.500	"	173		105	65.3-120.8				
Cobalt	163	0.400	"	148		110	70.3-117.6				
Copper	212	2.00	"	179		118	70.9-117.9	High Bias			
Iron	16100	25.0	"	15000		107	36.8-162.7				
Lead	102	0.500	"	101		101	69.1-126.7				
Magnesium	2820	5.00	"	2570		110	56.4-124.9				
Manganese	393	0.500	"	370		106	72.2-119.2				
Nickel	66.4	1.00	"	52.2		127	63.4-117.8	High Bias			
Potassium	2490	5.00	"	2420		103	49.6-118.6				
Selenium	74.2	2.50	"	104		71.3	58.5-122.1				
Silver	25.5	0.500	"	29.9		85.4	63.5-123.7				
Sodium	160	50.0	"	161		99.6	30.1-139.1				
Thallium	98.1	2.50	"	101		97.1	59.8-120.8				
Vanadium	194	1.00	"	194		99.9	73.2-117				
Zinc	433	2.50	"	431		100	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20288 - EPA 7473 soil												
Blank (BE20288-BLK1)	Blank								Prepared & Analyzed: 05/05/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20288-DUP1)	Duplicate	*Source sample: 22D1231-01 (Duplicate)							Prepared & Analyzed: 05/05/2022			
Mercury		ND	0.0313	mg/kg dry		ND					35	
Matrix Spike (BE20288-MS1)	Matrix Spike	*Source sample: 22D1231-01 (Matrix Spike)							Prepared & Analyzed: 05/05/2022			
Mercury		0.469		mg/kg	0.500	0.0109	91.6	75-125				
Reference (BE20288-SRM1)	Reference								Prepared & Analyzed: 05/05/2022			
Mercury		21.241		mg/kg	27.2		78.1	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20191 - Analysis Preparation Soil												
Blank (BE20191-BLK1)	Blank								Prepared & Analyzed: 05/04/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BE20191-DUP1)	Duplicate	*Source sample: 22E0085-04 (EP67_-1.5)							Prepared & Analyzed: 05/04/2022			
Cyanide, total		ND	0.603	mg/kg dry		ND					15	
Matrix Spike (BE20191-MS1)	Matrix Spike	*Source sample: 22E0085-04 (EP67_-1.5)							Prepared & Analyzed: 05/04/2022			
Cyanide, total		9.32	0.603	mg/kg dry	12.1	ND	77.3	79.6-107	Low Bias			
Reference (BE20191-SRM1)	Reference								Prepared & Analyzed: 05/04/2022			
Cyanide, total		84.6		ug/mL	86.8		97.4	41.82-157.83				
Batch BE20199 - EPA SW846-3060												
Blank (BE20199-BLK1)	Blank								Prepared & Analyzed: 05/04/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BE20199-DUP1)	Duplicate	*Source sample: 22D1427-01 (Duplicate)							Prepared & Analyzed: 05/04/2022			
Chromium, Hexavalent		ND	0.531	mg/kg dry		ND					35	
Matrix Spike (BE20199-MS1)	Matrix Spike	*Source sample: 22D1427-01 (Matrix Spike)							Prepared & Analyzed: 05/04/2022			
Chromium, Hexavalent		11.7	0.531	mg/kg dry	21.2	ND	55.2	75-125	Low Bias			
Reference (BE20199-SRM1)	Reference								Prepared & Analyzed: 05/04/2022			
Chromium, Hexavalent		82.9		mg/L	109		76.1	30-169.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20238 - % Solids Prep											
Duplicate (BE20238-DUP1) Duplicate	*Source sample: 22E0085-04 (EP67_-1.5)								Prepared & Analyzed: 05/04/2022		
% Solids	84.5	0.100	%		83.0				1.78	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22E0085-01	EP71_7.5	40mL Vial with Stir Bar-Cool 4° C
22E0085-02	EP72_7.5	40mL Vial with Stir Bar-Cool 4° C
22E0085-03	EP66_-1.5	40mL Vial with Stir Bar-Cool 4° C
22E0085-04	EP67_-1.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E0085

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Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170161001	RUSH - Next Day
Address: 360 West 31st 8th Floor, New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day X
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Semon	Contact:	Contact:		RUSH - Four Day
E-mail: Ksemon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP71_7.5	S	5/3/22 1005	TAL Part 375, VOCs, SVOCs, PCBs	
EP72_7.5		1000	Pesticides, herbicides, metals	
EP66_7.5		1010	including cyanide, hexavalent	
EP67_7.5		1015	chromium, PFAS, 1,4 Dioxane	
FB01_PFAS				
~~PFAS~~_05032022	other QA	5/3/22 1045	PFAS	

Comments: Please include lesmail@langan.com, maronica@langan.com for all correspondence.
Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
KP / Langan	05/03/22	Mid Hudson Labs	5/3/22 1407	Mid Hudson Labs	5/3/22 1810
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
FB	5/3/22 1810	FB	5/3/22 2030		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in Lab by	Date/Time / Temperature
				KBlocton	5/3/22 2030 / 3.2 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0141

Report Date: 05/09/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0141

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 04, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0141-01	EP60_5.5	Soil	05/04/2022	05/04/2022
22E0141-02	EP61_5.5	Soil	05/04/2022	05/04/2022

General Notes for York Project (SDG) No.: 22E0141

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/09/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP60_5.5 **York Sample ID:** 22E0141-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0141	170610601	Soil	May 4, 2022 10:35 am	05/04/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**411**		mg/kg dry	0.595	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:31	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**18.0**		mg/kg dry	0.0357	1	EPA 7473	05/06/2022 10:49	05/06/2022 18:19	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.0**		%	0.100	1	SM 2540G	05/06/2022 08:08	05/06/2022 10:01	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP61_5.5 **York Sample ID:** 22E0141-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0141	170610601	Soil	May 4, 2022 10:30 am	05/04/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.510**		mg/kg dry	0.0480	0.0957	2	EPA 8270D	05/05/2022 07:52	05/05/2022 22:35	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*60.7 %*	*24-116*

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**371**		mg/kg dry	0.583	1	EPA 6010D	05/07/2022 09:55	05/09/2022 13:33	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.7**		%	0.100	1	SM 2540G	05/06/2022 08:08	05/06/2022 10:01	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BE20261 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0141-02	EP61_5.5	05/05/22
BE20261-BLK1	Blank	05/05/22
BE20261-BS1	LCS	05/05/22
BE20261-MS1	Matrix Spike	05/05/22
BE20261-MSD1	Matrix Spike Dup	05/05/22

Batch ID: BE20339 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0141-01	EP60_5.5	05/06/22
22E0141-02	EP61_5.5	05/06/22
BE20339-DUP1	Duplicate	05/06/22

Batch ID: BE20357 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0141-01	EP60_5.5	05/06/22
BE20357-BLK1	Blank	05/06/22
BE20357-DUP1	Duplicate	05/06/22
BE20357-MS1	Matrix Spike	05/06/22
BE20357-SRM1	Reference	05/06/22

Batch ID: BE20421 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0141-01	EP60_5.5	05/07/22
22E0141-02	EP61_5.5	05/07/22
BE20421-BLK1	Blank	05/07/22
BE20421-DUP1	Duplicate	05/07/22
BE20421-MS1	Matrix Spike	05/07/22
BE20421-PS1	Post Spike	05/07/22
BE20421-SRM1	Reference	05/07/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20261 - EPA 3546 SVOA											
Blank (BE20261-BLK1) Blank								Prepared & Analyzed: 05/05/2022			
Indeno(1,2,3-cd)pyrene	ND	0.0416	mg/kg wet								
Surrogate: SURR: Nitrobenzene-d5	*0.393*		"	*0.831*		*47.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.440*		"	*0.831*		*52.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.465*		"	*0.831*		*56.0*	*24-116*				
LCS (BE20261-BS1) LCS								Prepared & Analyzed: 05/05/2022			
Indeno(1,2,3-cd)pyrene	0.583	0.0416	mg/kg wet	0.831		70.2	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.345*		"	*0.831*		*41.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.385*		"	*0.831*		*46.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.466*		"	*0.831*		*56.2*	*24-116*				
Matrix Spike (BE20261-MS1) Matrix Spike *Source sample: 22E0039-03 (Matrix Spike)								Prepared: 05/05/2022 Analyzed: 05/06/2022			
Indeno(1,2,3-cd)pyrene	0.472	0.0868	mg/kg dry	0.868	ND	54.4	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.232*		"	*0.868*		*26.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.265*		"	*0.868*		*30.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.293*		"	*0.868*		*33.8*	*24-116*				
Matrix Spike Dup (BE20261-M Matrix Spike Dup *Source sample: 22E0039-03 (Matrix Spike Dup)								Prepared: 05/05/2022 Analyzed: 05/06/2022			
Indeno(1,2,3-cd)pyrene	0.441	0.0868	mg/kg dry	0.868	ND	50.8	10-144		6.84	30	
Surrogate: SURR: Nitrobenzene-d5	*0.232*		"	*0.868*		*26.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.255*		"	*0.868*		*29.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.286*		"	*0.868*		*33.0*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20421 - EPA 3050B											
Blank (BE20421-BLK1) Blank									Prepared: 05/07/2022 Analyzed: 05/09/2022		
Lead	ND	0.500	mg/kg wet								
Duplicate (BE20421-DUP1) Duplicate	*Source sample: 22E0141-02 (EP61_5.5)								Prepared: 05/07/2022 Analyzed: 05/09/2022		
Lead	514	0.583	mg/kg dry		371				32.3	35	
Matrix Spike (BE20421-MS1) Matrix Spike	*Source sample: 22E0141-02 (EP61_5.5)								Prepared: 05/07/2022 Analyzed: 05/09/2022		
Lead	1020	0.583	mg/kg dry	58.3	371	NR	75-125	High Bias			
Post Spike (BE20421-PS1) Post Spike	*Source sample: 22E0141-02 (EP61_5.5)								Prepared: 05/07/2022 Analyzed: 05/09/2022		
Lead	3.67		ug/mL	0.500	3.18	98.0	75-125				
Reference (BE20421-SRM1) Reference									Prepared: 05/07/2022 Analyzed: 05/09/2022		
Lead	102	0.500	mg/kg wet	101		101	69.1-126.7				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20357 - EPA 7473 soil												
Blank (BE20357-BLK1)	Blank								Prepared & Analyzed: 05/06/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20357-DUP1)	Duplicate	*Source sample: 22E0097-04 (Duplicate)							Prepared & Analyzed: 05/06/2022			
Mercury		ND	0.0320	mg/kg dry		0.0492					35	
Matrix Spike (BE20357-MS1)	Matrix Spike	*Source sample: 22E0097-04 (Matrix Spike)							Prepared & Analyzed: 05/06/2022			
Mercury		0.0238		mg/kg	0.500	0.0461	NR	75-125	Low Bias			
Reference (BE20357-SRM1)	Reference								Prepared & Analyzed: 05/06/2022			
Mercury		19.704		mg/kg	27.2		72.4	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20339 - % Solids Prep											
Duplicate (BE20339-DUP1) Duplicate	*Source sample: 22E0097-04 (Duplicate)							Prepared & Analyzed: 05/06/2022			
% Solids	91.7	0.100	%		93.6				2.07	20	

Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK Analytical Laboratories, Inc.

YORK Project No. 22E0141

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: kseman@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	X
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	✓
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP60-5.5	S	05/04/22 1035	lead, mercury	
EP61-5.5	S	05/04/22 1030	Indeno(1,2,3-cd)pyrene, lead	

Comments: Please include lesmail@langan.com, maxonica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Kel / Langan	5/04/22 1342	Mel N York Labs	5/4/22 1342	Mel N York Labs	5/4/22 1815
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time
Ivan B	5/4/22 1815	Ivan B	5/4/22 1910		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					5/4/22 1910 / 1.3 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0236

Report Date: 05/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0236

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 05, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0236-01	EP62_6.5	Soil	05/05/2022	05/05/2022
22E0236-02	EP63_6.5	Soil	05/05/2022	05/05/2022

General Notes for York Project (SDG) No.: 22E0236

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/10/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP62_6.5 **York Sample ID:** 22E0236-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0236	170610601	Soil	May 5, 2022 10:35 am	05/05/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**123**		mg/kg dry	0.580	1	EPA 6010D	05/09/2022 13:48	05/10/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**98.7**		mg/kg dry	1.16	1	EPA 6010D	05/09/2022 13:48	05/10/2022 16:32	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.139**		mg/kg dry	0.0348	1	EPA 7473	05/09/2022 12:58	05/09/2022 17:54	ZTS
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.3**		%	0.100	1	SM 2540G	05/06/2022 13:08	05/06/2022 15:26	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP63_6.5 **York Sample ID:** 22E0236-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0236	170610601	Soil	May 5, 2022 10:30 am	05/05/2022

Semi-Volatiles, Select PAH (D)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	**Benzo(a)anthracene**	**0.102**		mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.0936**		mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.0685**	J	mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**0.0987**		mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0479**	J	mg/kg dry	0.0462	0.0922	2	EPA 8270D	05/06/2022 07:58	05/06/2022 16:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*40.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*40.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*44.0 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.9**		%	0.100	1	SM 2540G	05/06/2022 13:08	05/06/2022 15:26	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BE20337 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0236-02	EP63_6.5	05/06/22
BE20337-BLK1	Blank	05/06/22
BE20337-BS1	LCS	05/06/22
BE20337-MS1	Matrix Spike	05/06/22
BE20337-MSD1	Matrix Spike Dup	05/06/22

Batch ID: BE20377 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0236-01	EP62_6.5	05/06/22
22E0236-02	EP63_6.5	05/06/22
BE20377-DUP1	Duplicate	05/06/22

Batch ID: BE20463 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0236-01	EP62_6.5	05/09/22
BE20463-BLK1	Blank	05/09/22
BE20463-DUP1	Duplicate	05/09/22
BE20463-MS1	Matrix Spike	05/09/22
BE20463-SRM1	Reference	05/09/22

Batch ID: BE20477 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22E0236-01	EP62_6.5	05/09/22
BE20477-BLK1	Blank	05/09/22
BE20477-DUP1	Duplicate	05/09/22
BE20477-MS1	Matrix Spike	05/09/22
BE20477-PS1	Post Spike	05/09/22
BE20477-SRM1	Reference	05/09/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20337 - EPA 3546 SVOA											
Blank (BE20337-BLK1) Blank								Prepared & Analyzed: 05/06/2022			
Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.424*		*"*	*0.831*		*51.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.410*		*"*	*0.831*		*49.3*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.459*		*"*	*0.831*		*55.3*	*24-116*				
LCS (BE20337-BS1) LCS								Prepared & Analyzed: 05/06/2022			
Benzo(a)anthracene	0.386	0.0416	mg/kg wet	0.831		46.4	32-122				
Benzo(a)pyrene	0.365	0.0416	"	0.831		44.0	29-133				
Benzo(b)fluoranthene	0.393	0.0416	"	0.831		47.3	25-133				
Chrysene	0.377	0.0416	"	0.831		45.4	32-123				
Dibenzo(a,h)anthracene	0.370	0.0416	"	0.831		44.6	10-136				
Indeno(1,2,3-cd)pyrene	0.350	0.0416	"	0.831		42.2	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.370*		*"*	*0.831*		*44.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.352*		*"*	*0.831*		*42.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.418*		*"*	*0.831*		*50.4*	*24-116*				
Matrix Spike (BE20337-MS1) Matrix Spike *Source sample: 22E0224-02 (Matrix Spike)								Prepared & Analyzed: 05/06/2022			
Benzo(a)anthracene	0.521	0.0917	mg/kg dry	0.916	ND	56.9	10-158				
Benzo(a)pyrene	0.491	0.0917	"	0.916	ND	53.6	10-180				
Benzo(b)fluoranthene	0.532	0.0917	"	0.916	ND	58.1	10-200				
Chrysene	0.508	0.0917	"	0.916	ND	55.4	10-156				
Dibenzo(a,h)anthracene	0.479	0.0917	"	0.916	ND	52.2	10-137				
Indeno(1,2,3-cd)pyrene	0.535	0.0917	"	0.916	ND	58.4	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.457*		*"*	*0.916*		*49.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.428*		*"*	*0.916*		*46.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.493*		*"*	*0.916*		*53.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20337 - EPA 3546 SVOA											
Matrix Spike Dup (BE20337-M Matrix Spike Dup	*Source sample: 22E0224-02 (Matrix Spike Dup)							Prepared & Analyzed: 05/06/2022			
Benzo(a)anthracene	0.474	0.0917	mg/kg dry	0.916	ND	51.8	10-158		9.43	30	
Benzo(a)pyrene	0.462	0.0917	"	0.916	ND	50.4	10-180		6.15	30	
Benzo(b)fluoranthene	0.479	0.0917	"	0.916	ND	52.3	10-200		10.4	30	
Chrysene	0.467	0.0917	"	0.916	ND	51.0	10-156		8.42	30	
Dibenzo(a,h)anthracene	0.441	0.0917	"	0.916	ND	48.1	10-137		8.29	30	
Indeno(1,2,3-cd)pyrene	0.376	0.0917	"	0.916	ND	41.0	10-144		34.9	30	Non-dir.
Surrogate: SURR: Nitrobenzene-d5	*0.414*		*"*	*0.916*		*45.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.403*		*"*	*0.916*		*44.0*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.464*		*"*	*0.916*		*50.6*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20477 - EPA 3050B											
Blank (BE20477-BLK1) Blank									Prepared: 05/09/2022 Analyzed: 05/10/2022		
Lead	ND	0.500	mg/kg wet								
Nickel	ND	1.00	"								
Duplicate (BE20477-DUP1) Duplicate	*Source sample: 22E0236-01 (EP62_6.5)								Prepared: 05/09/2022 Analyzed: 05/10/2022		
Lead	73.1	0.580	mg/kg dry		123				50.7	35	Non-dir.
Nickel	109	1.16	"		98.7				10.2	35	
Matrix Spike (BE20477-MS1) Matrix Spike	*Source sample: 22E0236-01 (EP62_6.5)								Prepared: 05/09/2022 Analyzed: 05/10/2022		
Lead	170	0.580	mg/kg dry	58.0	123	82.3	75-125				
Nickel	158	1.16	"	58.0	98.7	101	75-125				
Post Spike (BE20477-PS1) Post Spike	*Source sample: 22E0236-01 (EP62_6.5)								Prepared: 05/09/2022 Analyzed: 05/10/2022		
Lead	1.62		ug/mL	0.500	1.06	112	75-125				
Nickel	1.41		mg/L	0.500	0.852	112	75-125				
Reference (BE20477-SRM1) Reference									Prepared: 05/09/2022 Analyzed: 05/10/2022		
Lead	100	0.500	mg/kg wet	101		99.1	69.1-126.7				
Nickel	63.3	1.00	"	52.2		121	63.4-117.8	High Bias			

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20463 - EPA 7473 soil												
Blank (BE20463-BLK1)	Blank								Prepared & Analyzed: 05/09/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20463-DUP1)	Duplicate	*Source sample: 22D1401-05 (Duplicate)							Prepared & Analyzed: 05/09/2022			
Mercury		ND	0.0304	mg/kg dry		ND					35	
Matrix Spike (BE20463-MS1)	Matrix Spike	*Source sample: 22D1401-05 (Matrix Spike)							Prepared & Analyzed: 05/09/2022			
Mercury		0.497		mg/kg	0.500	0.0149	96.3	75-125				
Reference (BE20463-SRM1)	Reference								Prepared & Analyzed: 05/09/2022			
Mercury		20.342		mg/kg	27.2		74.8	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20377 - % Solids Prep											
Duplicate (BE20377-DUP1) Duplicate	*Source sample: 22E0236-02 (EP63_6.5)								Prepared & Analyzed: 05/06/2022		
% Solids	90.3	0.100	%		89.9				0.423	20	

Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E0236

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:
Phone: 212 - 479 - 5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP62_6.5	S	5/5/22 1035	lead, nickel, and mercury	
EP63_6.5	S	5/5/22 1030	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene.	

Comments: Please include lesmail@langan.com, marovica@langan.com } for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	5/5/22 1425	York Labs	5/5/22 1425	York Labs	5/5/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
GLS	5/6/22 7:20	GLS	5/5/22 1720		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	5/5/22 1720 5.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0428

Report Date: 05/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0428

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 10, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0428-01	EP01_-5.5	Soil	05/10/2022	05/10/2022
22E0428-02	DUP07_05102022	Soil	05/10/2022	05/10/2022
22E0428-03	EP02_-5.5	Soil	05/10/2022	05/10/2022
22E0428-04	EP10_-5.5	Soil	05/10/2022	05/10/2022
22E0428-05	FB07_05102022	Water	05/10/2022	05/10/2022
22E0428-06	FB01_PFAS_05102022	Water	05/10/2022	05/10/2022
22E0428-07	TB07_05102022	Water	05/10/2022	05/10/2022

General Notes for York Project (SDG) No.: 22E0428

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.031	0.062	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0033**	J	mg/kg dry	0.0031	0.0062	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.037**		mg/kg dry	0.0031	0.0062	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0016	0.0031	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	05/13/2022 06:17	05/13/2022 18:46	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*111 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.204	0.409	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.409	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.204	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.409	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.6 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.4 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*69.6 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.6 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*113 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*97.8 %*		*24-116*

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/12/2022 07:54	05/16/2022 10:19	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.292	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 05:59	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.7 %*	*25-150*
Surrogate: M5PFHxA	*93.4 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*91.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*	*25-150*
Surrogate: M6PFDA	*81.4 %*	*25-150*
Surrogate: M7PFUdA	*62.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*57.1 %*	*25-150*
Surrogate: M2PFTeDA	*47.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*98.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*73.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*76.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*71.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*50.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*132 %*	*25-200*
Surrogate: M9PFNA	*93.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:02	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:02	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:02	CM

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0400	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:02	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*91.0 %*	*30-150*

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:05	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*108 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*110 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0244	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0244	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0244	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:46	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*71.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3390**		mg/kg dry	6.14	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.07	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.84	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**22.0**		mg/kg dry	3.07	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.368	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1830**	B	mg/kg dry	6.14	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**152**		mg/kg dry	0.614	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**67.3**		mg/kg dry	0.491	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**15.1**		mg/kg dry	2.46	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**39400**		mg/kg dry	30.7	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**1.42**		mg/kg dry	0.614	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**109000**		mg/kg dry	6.14	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**636**		mg/kg dry	0.614	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**1630**		mg/kg dry	1.23	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**719**		mg/kg dry	6.14	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.07	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.614	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**143**		mg/kg dry	61.4	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.07	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**14.3**		mg/kg dry	1.23	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**20.6**		mg/kg dry	3.07	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:17	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP01_-5.5 **York Sample ID:** 22E0428-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 10:20 am	05/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0368	1	EPA 7473	05/16/2022 10:45	05/16/2022 14:52	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.614	1	EPA 7196A	05/13/2022 09:37	05/13/2022 17:11	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**152**		mg/kg	0.500	1	Calculation	05/16/2022 13:39	05/17/2022 15:55	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.614	1	EPA 9014/9010C	05/13/2022 14:16	05/13/2022 21:22	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.4**		%	0.100	1	SM 2540G	05/12/2022 12:12	05/12/2022 15:50	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0030**	J	mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.015**		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.065**		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:12	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.102	0.203	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D	05/11/2022 13:56	05/12/2022 23:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*67.1 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.5 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.1 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*88.6 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*119 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*95.1 %*		*24-116*

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/12/2022 07:54	05/12/2022 21:39	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.298	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:38	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.5 %*	*25-150*
Surrogate: M5PFHxA	*90.7 %*	*25-150*
Surrogate: M4PFHpA	*95.6 %*	*25-150*
Surrogate: M3PFHxS	*93.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.4 %*	*25-150*
Surrogate: M6PFDA	*75.7 %*	*25-150*
Surrogate: M7PFUdA	*63.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*64.4 %*	*25-150*
Surrogate: M2PFTeDA	*60.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*64.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*71.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*92.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*136 %*	*25-200*
Surrogate: M2-8:2 FTS	*197 %*	*25-200*
Surrogate: M9PFNA	*87.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00201	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:19	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00201	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:19	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00201	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:19	CM

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.201	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0402	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:19	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.5 %*	*30-150*

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0203	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:19	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0249	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:57	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0249	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:57	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0249	1	EPA 8151A	05/12/2022 13:34	05/16/2022 17:57	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*60.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5170**		mg/kg dry	6.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.12	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.87	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**27.8**		mg/kg dry	3.12	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.375	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1560**	B	mg/kg dry	6.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**48.8**		mg/kg dry	0.625	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**21.2**		mg/kg dry	0.500	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**13.0**		mg/kg dry	2.50	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21000**		mg/kg dry	31.2	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**12.9**		mg/kg dry	0.625	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**26900**		mg/kg dry	6.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**232**		mg/kg dry	0.625	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**405**		mg/kg dry	1.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1240**		mg/kg dry	6.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.12	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.625	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**174**		mg/kg dry	62.5	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.12	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.3**		mg/kg dry	1.25	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**29.5**		mg/kg dry	3.12	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:35	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: DUP07_05102022 **York Sample ID:** 22E0428-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:01 am	05/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0375	1	EPA 7473	05/16/2022 10:45	05/16/2022 15:18	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.625	1	EPA 7196A	05/13/2022 09:37	05/13/2022 17:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**48.8**		mg/kg	0.500	1	Calculation	05/16/2022 13:39	05/17/2022 15:55	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.625	1	EPA 9014/9010C	05/13/2022 14:16	05/13/2022 21:22	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.0**		%	0.100	1	SM 2540G	05/12/2022 12:12	05/12/2022 15:50	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP02_-5.5** **York Sample ID:** **22E0428-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0040**	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.015**		mg/kg dry	0.0055	0.011	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C	05/13/2022 06:17	05/13/2022 19:37	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.106	0.211	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0530	0.106	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.212	0.424	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:26	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*86.0 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*81.4 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*96.2 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*94.2 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*130 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*101 %*		*24-116*

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/12/2022 07:54	05/12/2022 21:56	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL

Sample Information

Client Sample ID: **EP02_-5.5** **York Sample ID:** **22E0428-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.312	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 06:51	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*92.9 %*	*25-150*
Surrogate: M5PFHxA	*103 %*	*25-150*
Surrogate: M4PFHpA	*107 %*	*25-150*
Surrogate: M3PFHxS	*99.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*104 %*	*25-150*
Surrogate: M6PFDA	*71.4 %*	*25-150*
Surrogate: M7PFUdA	*59.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*57.3 %*	*25-150*
Surrogate: M2PFTeDA	*50.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*99.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*83.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*90.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*65.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*69.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*72.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*150 %*	*25-200*
Surrogate: M9PFNA	*93.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:35	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:35	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00206	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:35	CM

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.206	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0412	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:35	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*101 %*	*30-150*

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0208	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:32	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*103 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.0 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0251	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0251	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0251	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:07	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*61.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5220**		mg/kg dry	6.43	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.21	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.93	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**23.3**		mg/kg dry	3.21	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.064	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.386	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1710**	B	mg/kg dry	6.43	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**51.7**		mg/kg dry	0.643	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**22.8**		mg/kg dry	0.514	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**12.6**		mg/kg dry	2.57	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**23100**		mg/kg dry	32.1	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**11.3**		mg/kg dry	0.643	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**31900**		mg/kg dry	6.43	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**227**		mg/kg dry	0.643	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**450**		mg/kg dry	1.29	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1340**		mg/kg dry	6.43	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.21	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.643	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**186**		mg/kg dry	64.3	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.21	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**25.6**		mg/kg dry	1.29	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**31.3**		mg/kg dry	3.21	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:38	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP02_-5.5 **York Sample ID:** 22E0428-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 9:20 am	05/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0386	1	EPA 7473	05/16/2022 10:45	05/16/2022 15:27	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.643	1	EPA 7196A	05/13/2022 09:37	05/13/2022 17:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**51.7**		mg/kg	0.500	1	Calculation	05/16/2022 13:39	05/17/2022 15:55	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.643	1	EPA 9014/9010C	05/13/2022 14:16	05/13/2022 21:22	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.8**		%	0.100	1	SM 2540G	05/12/2022 12:12	05/12/2022 15:50	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	05/13/2022 06:17	05/13/2022 20:03	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.190	0.379	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D	05/11/2022 13:56	05/13/2022 00:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*70.5 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*64.5 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*77.2 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*92.2 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*126 %*	S-08	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*93.0 %*		*24-116*

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/12/2022 07:54	05/12/2022 22:13	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.282	1	EPA 537m Certifications:	05/11/2022 14:43	05/17/2022 07:04	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*92.3 %*	*25-150*
Surrogate: M5PFHxA	*100 %*	*25-150*
Surrogate: M4PFHpA	*108 %*	*25-150*
Surrogate: M3PFHxS	*95.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.7 %*	*25-150*
Surrogate: M6PFDA	*81.3 %*	*25-150*
Surrogate: M7PFUdA	*69.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.7 %*	*25-150*
Surrogate: M2PFTeDA	*47.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*102 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*93.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*69.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*70.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*73.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*140 %*	*25-200*
Surrogate: M9PFNA	*90.6 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:52	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:52	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2022 13:50	05/14/2022 01:52	CM

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B	05/11/2022 13:50	05/14/2022 01:52	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.6 %*	*30-150*

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A	05/11/2022 13:50	05/13/2022 20:46	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*87.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0232	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:18	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0232	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:18	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0232	1	EPA 8151A	05/12/2022 13:34	05/16/2022 18:18	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*76.6 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4990**		mg/kg dry	5.81	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**36.3**		mg/kg dry	2.90	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.349	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1260**	B	mg/kg dry	5.81	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**177**		mg/kg dry	0.581	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**58.4**		mg/kg dry	0.465	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**28.9**		mg/kg dry	2.32	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**38800**		mg/kg dry	29.0	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**3.51**		mg/kg dry	0.581	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**93500**		mg/kg dry	5.81	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**772**		mg/kg dry	0.581	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**1350**		mg/kg dry	1.16	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1020**		mg/kg dry	5.81	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**118**		mg/kg dry	58.1	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**23.3**		mg/kg dry	1.16	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**31.6**		mg/kg dry	2.90	1	EPA 6010D	05/11/2022 18:56	05/13/2022 16:41	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP10_-5.5 **York Sample ID:** 22E0428-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Soil	May 10, 2022 12:00 pm	05/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0349	1	EPA 7473	05/16/2022 10:45	05/16/2022 16:37	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.581	1	EPA 7196A	05/13/2022 09:37	05/13/2022 17:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**177**		mg/kg	0.500	1	Calculation	05/16/2022 13:39	05/17/2022 15:55	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.581	1	EPA 9014/9010C	05/13/2022 14:16	05/13/2022 21:22	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.1**		%	0.100	1	SM 2540G	05/12/2022 12:12	05/12/2022 15:50	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**5.36**		ug/L	1.00	2.00	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	05/16/2022 06:33	05/16/2022 14:56	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.6 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	05/11/2022 13:36	05/13/2022 12:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*38.8 %*		*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*26.0 %*		*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*91.8 %*		*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*84.8 %*		*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*119 %*		*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*107 %*	S-08	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.811**	B	ug/L	0.526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	05/11/2022 13:36	05/13/2022 10:28	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	05/16/2022 09:23	05/16/2022 13:13	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

Pesticides, 8081 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		ug/L	0.229	1	EPA 8081B	05/12/2022 07:40	05/13/2022 07:00	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.0 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A	05/12/2022 07:40	05/12/2022 23:37	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.5 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	05/11/2022 09:13	05/12/2022 19:55	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	05/11/2022 09:13	05/12/2022 19:55	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	05/11/2022 09:13	05/12/2022 19:55	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*82.4 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**0.0776**		mg/L	0.0556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.0134**	B	mg/L	0.00556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	05/16/2022 10:51	05/17/2022 14:14	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	05/16/2022 11:01	05/17/2022 15:54	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	05/13/2022 17:48	05/13/2022 17:48	AD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: FB07_05102022 **York Sample ID:** 22E0428-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	05/10/2022 18:52	05/10/2022 21:36	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	05/16/2022 13:41	05/17/2022 15:55	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-201(	05/11/2022 08:52	05/11/2022 14:34	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: FB01_PFAS_05102022 **York Sample ID:** 22E0428-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	05/13/2022 12:01	05/16/2022 21:08	WL

Sample Information

Client Sample ID: FB01_PFAS_05102022 **York Sample ID:** 22E0428-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m	05/13/2022 12:01	05/16/2022 21:08	WL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*117 %*	*25-150*
Surrogate: M5PFHxA	*117 %*	*25-150*
Surrogate: M4PFHpA	*123 %*	*25-150*
Surrogate: M3PFHxS	*127 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*120 %*	*25-150*
Surrogate: M6PFDA	*109 %*	*25-150*
Surrogate: M7PFUdA	*106 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*92.9 %*	*25-150*
Surrogate: M2PFTeDA	*68.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*119 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*121 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*111 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*66.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*84.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*95.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*149 %*	*25-200*
Surrogate: M9PFNA	*109 %*	*25-150*

Sample Information

Client Sample ID: TB07_05102022 **York Sample ID:** 22E0428-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB07_05102022 **York Sample ID:** 22E0428-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB07_05102022 **York Sample ID:** 22E0428-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB07_05102022 **York Sample ID:** 22E0428-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0428	170610601	Water	May 10, 2022 2:30 pm	05/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	05/11/2022 06:32	05/11/2022 14:55	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*124 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.4 %*	*79-122*

Analytical Batch Summary

Batch ID: BE20583 **Preparation Method:** Analysis Preparation **Prepared By:** LRW

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/10/22
BE20583-BLK1	Blank	05/10/22
BE20583-BS1	LCS	05/10/22
BE20583-DUP1	Duplicate	05/10/22
BE20583-MS1	Matrix Spike	05/10/22

Batch ID: BE20603 **Preparation Method:** Analysis Preparation **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/11/22
BE20603-BLK1	Blank	05/11/22
BE20603-BS1	LCS	05/11/22
BE20603-DUP1	Duplicate	05/11/22
BE20603-MS1	Matrix Spike	05/11/22

Batch ID: BE20607 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/11/22
BE20607-BLK1	Blank	05/11/22
BE20607-BS1	LCS	05/11/22
BE20607-BSD1	LCS Dup	05/11/22

Batch ID: BE20639 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/11/22
BE20639-BLK1	Blank	05/11/22
BE20639-BLK2	Blank	05/11/22
BE20639-BS1	LCS	05/11/22
BE20639-BS2	LCS	05/11/22
BE20639-BSD1	LCS Dup	05/11/22

Batch ID: BE20642 **Preparation Method:** EPA 3550C **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/11/22
22E0428-01	EP01_-5.5	05/11/22
22E0428-02	DUP07_05102022	05/11/22
22E0428-02	DUP07_05102022	05/11/22
22E0428-03	EP02_-5.5	05/11/22
22E0428-03	EP02_-5.5	05/11/22
22E0428-04	EP10_-5.5	05/11/22

22E0428-04	EP10_-5.5	05/11/22
BE20642-BLK1	Blank	05/11/22
BE20642-BLK2	Blank	05/11/22
BE20642-BS1	LCS	05/11/22
BE20642-BS2	LCS	05/11/22
BE20642-MS2	Matrix Spike	05/11/22
BE20642-MSD2	Matrix Spike Dup	05/11/22

Batch ID: BE20644 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/11/22
22E0428-02	DUP07_05102022	05/11/22
22E0428-03	EP02_-5.5	05/11/22
22E0428-04	EP10_-5.5	05/11/22
BE20644-BLK1	Blank	05/11/22
BE20644-BS1	LCS	05/11/22
BE20644-MS1	Matrix Spike	05/11/22
BE20644-MSD1	Matrix Spike Dup	05/11/22

Batch ID: BE20648 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/11/22
22E0428-02	DUP07_05102022	05/11/22
22E0428-03	EP02_-5.5	05/11/22
22E0428-04	EP10_-5.5	05/11/22
BE20648-BLK1	Blank	05/11/22
BE20648-BS1	LCS	05/11/22
BE20648-MS1	Matrix Spike	05/11/22
BE20648-MS2	Matrix Spike	05/11/22
BE20648-MSD1	Matrix Spike Dup	05/11/22
BE20648-MSD2	Matrix Spike Dup	05/11/22

Batch ID: BE20662 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/11/22
22E0428-02	DUP07_05102022	05/11/22
22E0428-03	EP02_-5.5	05/11/22
22E0428-04	EP10_-5.5	05/11/22
BE20662-BLK1	Blank	05/11/22
BE20662-DUP1	Duplicate	05/11/22
BE20662-MS1	Matrix Spike	05/11/22
BE20662-PS1	Post Spike	05/11/22
BE20662-SRM1	Reference	05/11/22

Batch ID: BE20672 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KNL

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/12/22
22E0428-05	FB07_05102022	05/12/22
BE20672-BLK1	Blank	05/12/22
BE20672-BLK2	Blank	05/12/22
BE20672-BS1	LCS	05/12/22
BE20672-BS2	LCS	05/12/22
BE20672-BSD1	LCS Dup	05/12/22
BE20672-BSD2	LCS Dup	05/12/22

Batch ID: BE20674 **Preparation Method:** EPA 3550C **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/12/22
22E0428-02	DUP07_05102022	05/12/22
22E0428-03	EP02_-5.5	05/12/22
22E0428-04	EP10_-5.5	05/12/22
BE20674-BLK1	Blank	05/12/22
BE20674-BS1	LCS	05/12/22
BE20674-MS1	Matrix Spike	05/12/22
BE20674-MSD1	Matrix Spike Dup	05/12/22

Batch ID: BE20706 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/12/22
22E0428-02	DUP07_05102022	05/12/22
22E0428-03	EP02_-5.5	05/12/22
22E0428-04	EP10_-5.5	05/12/22
BE20706-DUP1	Duplicate	05/12/22

Batch ID: BE20718 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/12/22
22E0428-02	DUP07_05102022	05/12/22
22E0428-03	EP02_-5.5	05/12/22
22E0428-04	EP10_-5.5	05/12/22
BE20718-BLK1	Blank	05/12/22
BE20718-BS1	LCS	05/12/22
BE20718-MS1	Matrix Spike	05/12/22
BE20718-MSD1	Matrix Spike Dup	05/12/22

Batch ID: BE20758 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/13/22
22E0428-02	DUP07_05102022	05/13/22

22E0428-03	EP02_-5.5	05/13/22
22E0428-04	EP10_-5.5	05/13/22
BE20758-BLK1	Blank	05/13/22
BE20758-DUP1	Duplicate	05/13/22
BE20758-MS1	Matrix Spike	05/13/22
BE20758-SRM1	Reference	05/13/22

Batch ID: BE20771 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-06	FB01_PFAS_05102022	05/13/22
BE20771-BLK1	Blank	05/13/22
BE20771-BS1	LCS	05/13/22
BE20771-BSD1	LCS Dup	05/13/22

Batch ID: BE20790 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/13/22
22E0428-02	DUP07_05102022	05/13/22
22E0428-03	EP02_-5.5	05/13/22
22E0428-04	EP10_-5.5	05/13/22
BE20790-BLK1	Blank	05/13/22
BE20790-DUP1	Duplicate	05/13/22
BE20790-MS1	Matrix Spike	05/13/22
BE20790-SRM1	Reference	05/13/22

Batch ID: BE20795 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/13/22
22E0428-02	DUP07_05102022	05/13/22
22E0428-03	EP02_-5.5	05/13/22
22E0428-04	EP10_-5.5	05/13/22
BE20795-BLK1	Blank	05/13/22
BE20795-BLK2	Blank	05/13/22
BE20795-BS1	LCS	05/13/22
BE20795-BSD1	LCS Dup	05/13/22
BE20795-MS1	Matrix Spike	05/13/22
BE20795-MSD1	Matrix Spike Dup	05/13/22

Batch ID: BE20808 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/13/22
BE20808-BLK1	Blank	05/13/22
BE20808-BS1	LCS	05/13/22
BE20808-BS2	LCS	05/13/22

Batch ID: BE20845 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/16/22
BE20845-BLK1	Blank	05/16/22
BE20845-BS1	LCS	05/16/22
BE20845-MS1	Matrix Spike	05/16/22
BE20845-MSD1	Matrix Spike Dup	05/16/22

Batch ID: BE20854 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/16/22
22E0428-02	DUP07_05102022	05/16/22
22E0428-03	EP02_-5.5	05/16/22
22E0428-04	EP10_-5.5	05/16/22
BE20854-BLK1	Blank	05/16/22
BE20854-DUP1	Duplicate	05/16/22
BE20854-MS1	Matrix Spike	05/16/22
BE20854-SRM1	Reference	05/16/22

Batch ID: BE20856 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/16/22
BE20856-BLK1	Blank	05/16/22
BE20856-BS1	LCS	05/16/22
BE20856-DUP1	Duplicate	05/16/22
BE20856-MS1	Matrix Spike	05/16/22
BE20856-PS1	Post Spike	05/16/22

Batch ID: BE20857 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/16/22
BE20857-BLK1	Blank	05/16/22
BE20857-BS1	LCS	05/16/22

Batch ID: BE20861 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-07	TB07_05102022	05/11/22
BE20861-BLK1	Blank	05/11/22
BE20861-BS1	LCS	05/11/22
BE20861-BSD1	LCS Dup	05/11/22

Batch ID: BE20878 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-01	EP01_-5.5	05/16/22
22E0428-02	DUP07_05102022	05/16/22
22E0428-03	EP02_-5.5	05/16/22
22E0428-04	EP10_-5.5	05/16/22

Batch ID: BE20880 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/16/22

Batch ID: BE20906 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22E0428-05	FB07_05102022	05/16/22
BE20906-BLK1	Blank	05/16/22
BE20906-BS1	LCS	05/16/22
BE20906-BSD1	LCS Dup	05/16/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Blank (BE20795-BLK1) Blank									Prepared & Analyzed: 05/13/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Blank (BE20795-BLK1) Blank									Prepared & Analyzed: 05/13/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				
Blank (BE20795-BLK2) MeOH Blank									Prepared & Analyzed: 05/13/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Blank (BE20795-BLK2) MeOH Blank									Prepared & Analyzed: 05/13/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	0.0092	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*ug/L*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
LCS (BE20795-BS1) LCS							Prepared & Analyzed: 05/13/2022				
1,1,1,2-Tetrachloroethane	45.4		ug/L	50.0		90.8	75-129				
1,1,1-Trichloroethane	43.5		"	50.0		86.9	71-137				
1,1,2,2-Tetrachloroethane	50.3		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.8		"	50.0		93.7	58-146				
1,1,2-Trichloroethane	45.6		"	50.0		91.1	83-123				
1,1-Dichloroethane	43.0		"	50.0		85.9	75-130				
1,1-Dichloroethylene	45.8		"	50.0		91.5	64-137				
1,2,3-Trichlorobenzene	46.7		"	50.0		93.5	81-140				
1,2,3-Trichloropropane	49.5		"	50.0		99.0	81-126				
1,2,4-Trichlorobenzene	48.5		"	50.0		97.0	80-141				
1,2,4-Trimethylbenzene	49.8		"	50.0		99.7	84-125				
1,2-Dibromo-3-chloropropane	48.8		"	50.0		97.6	74-142				
1,2-Dibromoethane	45.8		"	50.0		91.6	86-123				
1,2-Dichlorobenzene	48.2		"	50.0		96.3	85-122				
1,2-Dichloroethane	44.6		"	50.0		89.2	71-133				
1,2-Dichloropropane	44.7		"	50.0		89.4	81-122				
1,3,5-Trimethylbenzene	49.0		"	50.0		98.0	82-126				
1,3-Dichlorobenzene	48.4		"	50.0		96.9	84-124				
1,4-Dichlorobenzene	47.9		"	50.0		95.8	84-124				
1,4-Dioxane	950		"	1050		90.5	10-228				
2-Butanone	45.1		"	50.0		90.1	58-147				
2-Hexanone	49.1		"	50.0		98.1	70-139				
4-Methyl-2-pentanone	36.5		"	50.0		73.0	72-132				
Acetone	35.3		"	50.0		70.6	36-155				
Acrolein	29.9		"	50.0		59.8	10-238				
Acrylonitrile	45.9		"	50.0		91.9	66-141				
Benzene	45.0		"	50.0		90.0	77-127				
Bromochloromethane	44.1		"	50.0		88.2	74-129				
Bromodichloromethane	44.0		"	50.0		88.0	81-124				
Bromoform	45.4		"	50.0		90.8	80-136				
Bromomethane	37.4		"	50.0		74.9	32-177				
Carbon disulfide	48.6		"	50.0		97.3	10-136				
Carbon tetrachloride	44.8		"	50.0		89.5	66-143				
Chlorobenzene	47.8		"	50.0		95.7	86-120				
Chloroethane	32.2		"	50.0		64.3	51-142				
Chloroform	44.5		"	50.0		89.0	76-131				
Chloromethane	34.3		"	50.0		68.6	49-132				
cis-1,2-Dichloroethylene	45.0		"	50.0		90.1	74-132				
cis-1,3-Dichloropropylene	44.7		"	50.0		89.4	81-129				
Cyclohexane	46.6		"	50.0		93.3	70-130				
Dibromochloromethane	44.6		"	50.0		89.3	10-200				
Dibromomethane	42.8		"	50.0		85.5	83-124				
Dichlorodifluoromethane	34.8		"	50.0		69.7	28-158				
Ethyl Benzene	46.9		"	50.0		93.8	84-125				
Hexachlorobutadiene	47.1		"	50.0		94.1	83-133				
Isopropylbenzene	50.4		"	50.0		101	81-127				
Methyl acetate	43.1		"	50.0		86.2	41-143				
Methyl tert-butyl ether (MTBE)	44.4		"	50.0		88.7	74-131				
Methylcyclohexane	44.3		"	50.0		88.6	70-130				
Methylene chloride	44.5		"	50.0		89.0	57-141				
n-Butylbenzene	52.9		"	50.0		106	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
LCS (BE20795-BS1) LCS								Prepared & Analyzed: 05/13/2022			
n-Propylbenzene	49.4		ug/L	50.0		98.8	74-136				
o-Xylene	46.6		"	50.0		93.1	83-123				
p- & m- Xylenes	94.3		"	100		94.3	82-128				
p-Isopropyltoluene	50.0		"	50.0		100	85-125				
sec-Butylbenzene	49.8		"	50.0		99.7	83-125				
Styrene	45.5		"	50.0		91.1	86-126				
tert-Butyl alcohol (TBA)	302		"	250		121	70-130				
tert-Butylbenzene	43.5		"	50.0		87.1	80-127				
Tetrachloroethylene	38.9		"	50.0		77.8	80-129	Low Bias			
Toluene	43.8		"	50.0		87.7	85-121				
trans-1,2-Dichloroethylene	44.8		"	50.0		89.7	72-132				
trans-1,3-Dichloropropylene	45.2		"	50.0		90.3	78-132				
Trichloroethylene	43.1		"	50.0		86.2	84-123				
Trichlorofluoromethane	39.5		"	50.0		78.9	62-140				
Vinyl Chloride	38.7		"	50.0		77.4	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
LCS Dup (BE20795-BSD1) LCS Dup								Prepared & Analyzed: 05/13/2022			
1,1,1,2-Tetrachloroethane	45.6		ug/L	50.0		91.2	75-129		0.527	30	
1,1,1-Trichloroethane	48.8		"	50.0		97.6	71-137		11.6	30	
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.2	79-129		5.58	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.5		"	50.0		105	58-146		11.5	30	
1,1,2-Trichloroethane	45.6		"	50.0		91.3	83-123		0.154	30	
1,1-Dichloroethane	48.0		"	50.0		95.9	75-130		11.0	30	
1,1-Dichloroethylene	48.7		"	50.0		97.4	64-137		6.29	30	
1,2,3-Trichlorobenzene	44.6		"	50.0		89.1	81-140		4.80	30	
1,2,3-Trichloropropane	46.8		"	50.0		93.6	81-126		5.52	30	
1,2,4-Trichlorobenzene	45.7		"	50.0		91.4	80-141		5.90	30	
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125		2.89	30	
1,2-Dibromo-3-chloropropane	45.8		"	50.0		91.6	74-142		6.38	30	
1,2-Dibromoethane	46.2		"	50.0		92.4	86-123		0.891	30	
1,2-Dichlorobenzene	45.8		"	50.0		91.5	85-122		5.07	30	
1,2-Dichloroethane	47.6		"	50.0		95.3	71-133		6.62	30	
1,2-Dichloropropane	48.9		"	50.0		97.8	81-122		8.96	30	
1,3,5-Trimethylbenzene	47.8		"	50.0		95.7	82-126		2.35	30	
1,3-Dichlorobenzene	47.2		"	50.0		94.4	84-124		2.57	30	
1,4-Dichlorobenzene	46.1		"	50.0		92.2	84-124		3.83	30	
1,4-Dioxane	906		"	1050		86.3	10-228		4.73	30	
2-Butanone	42.8		"	50.0		85.7	58-147		5.05	30	
2-Hexanone	45.7		"	50.0		91.3	70-139		7.20	30	
4-Methyl-2-pentanone	34.5		"	50.0		69.0	72-132	Low Bias	5.58	30	
Acetone	34.4		"	50.0		68.9	36-155		2.52	30	
Acrolein	30.4		"	50.0		60.8	10-238		1.59	30	
Acrylonitrile	47.1		"	50.0		94.1	66-141		2.43	30	
Benzene	49.4		"	50.0		98.9	77-127		9.38	30	
Bromochloromethane	48.8		"	50.0		97.6	74-129		10.1	30	
Bromodichloromethane	45.8		"	50.0		91.5	81-124		3.94	30	
Bromoform	44.3		"	50.0		88.6	80-136		2.45	30	
Bromomethane	42.8		"	50.0		85.6	32-177		13.3	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
LCS Dup (BE20795-BSD1) LCS Dup								Prepared & Analyzed: 05/13/2022			
Carbon disulfide	53.9		ug/L	50.0		108	10-136		10.2	30	
Carbon tetrachloride	49.8		"	50.0		99.5	66-143		10.5	30	
Chlorobenzene	48.6		"	50.0		97.3	86-120		1.66	30	
Chloroethane	32.8		"	50.0		65.5	51-142		1.82	30	
Chloroform	47.6		"	50.0		95.3	76-131		6.84	30	
Chloromethane	38.7		"	50.0		77.4	49-132		12.1	30	
cis-1,2-Dichloroethylene	48.6		"	50.0		97.2	74-132		7.60	30	
cis-1,3-Dichloropropylene	46.5		"	50.0		93.1	81-129		3.97	30	
Cyclohexane	52.6		"	50.0		105	70-130		11.9	30	
Dibromochloromethane	45.1		"	50.0		90.1	10-200		0.936	30	
Dibromomethane	45.8		"	50.0		91.6	83-124		6.91	30	
Dichlorodifluoromethane	38.0		"	50.0		75.9	28-158		8.55	30	
Ethyl Benzene	47.9		"	50.0		95.8	84-125		2.03	30	
Hexachlorobutadiene	45.6		"	50.0		91.2	83-133		3.15	30	
Isopropylbenzene	50.0		"	50.0		100	81-127		0.737	30	
Methyl acetate	45.0		"	50.0		90.1	41-143		4.38	30	
Methyl tert-butyl ether (MTBE)	48.5		"	50.0		96.9	74-131		8.83	30	
Methylcyclohexane	48.4		"	50.0		96.9	70-130		8.93	30	
Methylene chloride	49.9		"	50.0		99.8	57-141		11.4	30	
n-Butylbenzene	51.0		"	50.0		102	80-130		3.64	30	
n-Propylbenzene	48.6		"	50.0		97.3	74-136		1.51	30	
o-Xylene	47.5		"	50.0		95.0	83-123		1.98	30	
p- & m- Xylenes	96.0		"	100		96.0	82-128		1.71	30	
p-Isopropyltoluene	48.9		"	50.0		97.7	85-125		2.35	30	
sec-Butylbenzene	48.6		"	50.0		97.1	83-125		2.64	30	
Styrene	45.2		"	50.0		90.4	86-126		0.683	30	
tert-Butyl alcohol (TBA)	279		"	250		112	70-130		8.04	30	
tert-Butylbenzene	42.6		"	50.0		85.1	80-127		2.30	30	
Tetrachloroethylene	41.3		"	50.0		82.7	80-129		6.01	30	
Toluene	46.5		"	50.0		93.1	85-121		5.95	30	
trans-1,2-Dichloroethylene	51.2		"	50.0		102	72-132		13.2	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.4	78-132		3.40	30	
Trichloroethylene	47.5		"	50.0		95.0	84-123		9.69	30	
Trichlorofluoromethane	40.9		"	50.0		81.8	62-140		3.53	30	
Vinyl Chloride	41.5		"	50.0		83.1	52-130		7.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Matrix Spike (BE20795-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared & Analyzed: 05/13/2022			
1,1,1,2-Tetrachloroethane	36.0		ug/L	50.0	0.00	72.1	15-161				
1,1,1-Trichloroethane	38.3		"	50.0	0.00	76.5	42-145				
1,1,2,2-Tetrachloroethane	39.7		"	50.0	0.00	79.3	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39.9		"	50.0	0.00	79.8	11-160				
1,1,2-Trichloroethane	37.4		"	50.0	0.00	74.8	44-145				
1,1-Dichloroethane	38.4		"	50.0	0.00	76.8	46-142				
1,1-Dichloroethylene	39.3		"	50.0	0.00	78.5	30-153				
1,2,3-Trichlorobenzene	33.8		"	50.0	0.00	67.6	10-157				
1,2,3-Trichloropropane	37.6		"	50.0	0.00	75.3	38-155				
1,2,4-Trichlorobenzene	34.5		"	50.0	0.00	69.0	10-151				
1,2,4-Trimethylbenzene	36.9		"	50.0	0.00	73.7	10-170				
1,2-Dibromo-3-chloropropane	36.4		"	50.0	0.00	72.8	36-138				
1,2-Dibromoethane	37.8		"	50.0	0.00	75.5	40-142				
1,2-Dichlorobenzene	35.4		"	50.0	0.00	70.8	10-147				
1,2-Dichloroethane	39.8		"	50.0	0.00	79.6	48-133				
1,2-Dichloropropane	38.4		"	50.0	0.00	76.7	47-141				
1,3,5-Trimethylbenzene	35.9		"	50.0	0.00	71.9	10-150				
1,3-Dichlorobenzene	35.5		"	50.0	0.00	71.0	10-144				
1,4-Dichlorobenzene	35.0		"	50.0	0.00	70.1	10-160				
1,4-Dioxane	781		"	1050	0.00	74.4	10-191				
2-Butanone	34.9		"	50.0	0.00	69.7	10-189				
2-Hexanone	36.4		"	50.0	0.00	72.7	10-181				
4-Methyl-2-pentanone	28.7		"	50.0	0.00	57.3	10-166				
Acetone	31.4		"	50.0	2.71	57.4	10-196				
Acrolein	26.6		"	50.0	0.00	53.2	10-192				
Acrylonitrile	38.4		"	50.0	0.00	76.8	13-161				
Benzene	39.7		"	50.0	0.00	79.5	43-139				
Bromochloromethane	40.1		"	50.0	0.00	80.3	38-145				
Bromodichloromethane	35.8		"	50.0	0.00	71.6	38-147				
Bromoform	35.6		"	50.0	0.00	71.1	29-156				
Bromomethane	31.6		"	50.0	0.00	63.2	10-166				
Carbon disulfide	41.4		"	50.0	0.00	82.7	10-131				
Carbon tetrachloride	37.8		"	50.0	0.00	75.6	35-145				
Chlorobenzene	38.0		"	50.0	0.00	75.9	21-154				
Chloroethane	36.3		"	50.0	0.00	72.7	15-160				
Chloroform	38.9		"	50.0	0.00	77.9	47-142				
Chloromethane	31.7		"	50.0	0.00	63.4	10-159				
cis-1,2-Dichloroethylene	38.6		"	50.0	0.00	77.3	42-144				
cis-1,3-Dichloropropylene	36.8		"	50.0	0.00	73.5	18-159				
Cyclohexane	40.7		"	50.0	0.00	81.3	70-130				
Dibromochloromethane	36.0		"	50.0	0.00	71.9	10-179				
Dibromomethane	36.7		"	50.0	0.00	73.3	47-143				
Dichlorodifluoromethane	28.3		"	50.0	0.00	56.7	10-145				
Ethyl Benzene	37.1		"	50.0	0.00	74.2	11-158				
Hexachlorobutadiene	34.7		"	50.0	0.00	69.3	10-158				
Isopropylbenzene	38.3		"	50.0	0.00	76.5	10-162				
Methyl acetate	39.9		"	50.0	0.00	79.9	10-149				
Methyl tert-butyl ether (MTBE)	40.7		"	50.0	0.00	81.4	42-152				
Methylcyclohexane	37.2		"	50.0	0.00	74.5	70-130				
Methylene chloride	81.4		"	50.0	30.4	102	28-151				
n-Butylbenzene	35.4		"	50.0	0.00	70.8	10-162				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Matrix Spike (BE20795-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared & Analyzed: 05/13/2022			
n-Propylbenzene	37.0		ug/L	50.0	0.00	74.0	10-155				
o-Xylene	37.2		"	50.0	0.00	74.5	10-158				
p- & m- Xylenes	74.4		"	100	0.00	74.4	10-156				
p-Isopropyltoluene	36.6		"	50.0	0.00	73.2	10-147				
sec-Butylbenzene	36.9		"	50.0	0.00	73.7	10-157				
Styrene	35.5		"	50.0	0.00	71.1	13-171				
tert-Butyl alcohol (TBA)	218		"	250	0.00	87.1	34-179				
tert-Butylbenzene	32.4		"	50.0	0.00	64.9	10-160				
Tetrachloroethylene	32.3		"	50.0	0.00	64.5	30-167				
Toluene	36.5		"	50.0	0.00	73.1	21-160				
trans-1,2-Dichloroethylene	39.4		"	50.0	0.00	78.7	29-153				
trans-1,3-Dichloropropylene	36.8		"	50.0	0.00	73.7	18-155				
Trichloroethylene	37.0		"	50.0	0.00	74.0	24-169				
Trichlorofluoromethane	31.5		"	50.0	0.00	63.1	35-142				
Vinyl Chloride	31.7		"	50.0	0.00	63.5	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.8*		*"*	*50.0*		*95.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*76-130*				
Matrix Spike Dup (BE20795-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared & Analyzed: 05/13/2022			
1,1,1,2-Tetrachloroethane	40.6		ug/L	50.0	0.00	81.3	15-161		12.0	33	
1,1,1-Trichloroethane	43.7		"	50.0	0.00	87.5	42-145		13.3	30	
1,1,2,2-Tetrachloroethane	48.8		"	50.0	0.00	97.7	16-167		20.7	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.3		"	50.0	0.00	90.5	11-160		12.6	31	
1,1,2-Trichloroethane	45.4		"	50.0	0.00	90.9	44-145		19.5	40	
1,1-Dichloroethane	43.8		"	50.0	0.00	87.6	46-142		13.2	36	
1,1-Dichloroethylene	42.4		"	50.0	0.00	84.7	30-153		7.59	31	
1,2,3-Trichlorobenzene	40.1		"	50.0	0.00	80.3	10-157		17.2	47	
1,2,3-Trichloropropane	48.9		"	50.0	0.00	97.7	38-155		25.9	48	
1,2,4-Trichlorobenzene	39.2		"	50.0	0.00	78.5	10-151		12.8	52	
1,2,4-Trimethylbenzene	41.0		"	50.0	0.00	82.0	10-170		10.6	242	
1,2-Dibromo-3-chloropropane	48.2		"	50.0	0.00	96.5	36-138		28.0	54	
1,2-Dibromoethane	46.0		"	50.0	0.00	91.9	40-142		19.6	39	
1,2-Dichlorobenzene	39.9		"	50.0	0.00	79.8	10-147		12.0	52	
1,2-Dichloroethane	47.5		"	50.0	0.00	94.9	48-133		17.5	32	
1,2-Dichloropropane	43.8		"	50.0	0.00	87.5	47-141		13.1	37	
1,3,5-Trimethylbenzene	40.2		"	50.0	0.00	80.3	10-150		11.1	62	
1,3-Dichlorobenzene	40.1		"	50.0	0.00	80.2	10-144		12.2	51	
1,4-Dichlorobenzene	39.6		"	50.0	0.00	79.1	10-160		12.1	52	
1,4-Dioxane	1070		"	1050	0.00	102	10-191		31.5	196	
2-Butanone	49.9		"	50.0	0.00	99.8	10-189		35.5	67	
2-Hexanone	48.3		"	50.0	0.00	96.5	10-181		28.1	60	
4-Methyl-2-pentanone	37.1		"	50.0	0.00	74.2	10-166		25.6	47	
Acetone	40.1		"	50.0	2.71	74.8	10-196		24.2	150	
Acrolein	22.0		"	50.0	0.00	44.0	10-192		18.9	128	
Acrylonitrile	52.4		"	50.0	0.00	105	13-161		30.9	48	
Benzene	45.0		"	50.0	0.00	90.0	43-139		12.4	64	
Bromochloromethane	46.1		"	50.0	0.00	92.2	38-145		13.8	30	
Bromodichloromethane	41.4		"	50.0	0.00	82.8	38-147		14.5	37	
Bromoform	43.6		"	50.0	0.00	87.2	29-156		20.3	51	
Bromomethane	36.9		"	50.0	0.00	73.8	10-166		15.5	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20795 - EPA 5035A											
Matrix Spike Dup (BE20795-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/13/2022		
Carbon disulfide	45.8		ug/L	50.0	0.00	91.7	10-131		10.3	36	
Carbon tetrachloride	43.3		"	50.0	0.00	86.7	35-145		13.7	31	
Chlorobenzene	42.6		"	50.0	0.00	85.2	21-154		11.4	32	
Chloroethane	40.0		"	50.0	0.00	79.9	15-160		9.54	40	
Chloroform	44.5		"	50.0	0.00	88.9	47-142		13.3	29	
Chloromethane	34.8		"	50.0	0.00	69.5	10-159		9.15	31	
cis-1,2-Dichloroethylene	43.5		"	50.0	0.00	87.0	42-144		11.8	30	
cis-1,3-Dichloropropylene	42.2		"	50.0	0.00	84.5	18-159		13.8	39	
Cyclohexane	45.4		"	50.0	0.00	90.8	70-130		11.0	30	
Dibromochloromethane	42.1		"	50.0	0.00	84.3	10-179		15.8	41	
Dibromomethane	44.1		"	50.0	0.00	88.2	47-143		18.4	41	
Dichlorodifluoromethane	30.5		"	50.0	0.00	61.0	10-145		7.41	34	
Ethyl Benzene	40.8		"	50.0	0.00	81.7	11-158		9.57	42	
Hexachlorobutadiene	38.4		"	50.0	0.00	76.9	10-158		10.3	45	
Isopropylbenzene	42.3		"	50.0	0.00	84.5	10-162		9.96	57	
Methyl acetate	52.6		"	50.0	0.00	105	10-149		27.4	64	
Methyl tert-butyl ether (MTBE)	48.9		"	50.0	0.00	97.9	42-152		18.3	47	
Methylcyclohexane	39.6		"	50.0	0.00	79.2	70-130		6.19	30	
Methylene chloride	75.4		"	50.0	30.4	89.9	28-151		7.77	49	
n-Butylbenzene	38.9		"	50.0	0.00	77.8	10-162		9.43	96	
n-Propylbenzene	40.7		"	50.0	0.00	81.5	10-155		9.68	56	
o-Xylene	41.2		"	50.0	0.00	82.5	10-158		10.2	51	
p- & m- Xylenes	82.7		"	100	0.00	82.7	10-156		10.6	47	
p-Isopropyltoluene	40.5		"	50.0	0.00	81.1	10-147		10.2	60	
sec-Butylbenzene	40.5		"	50.0	0.00	81.0	10-157		9.36	56	
Styrene	39.9		"	50.0	0.00	79.8	13-171		11.6	39	
tert-Butyl alcohol (TBA)	318		"	250	0.00	127	34-179		37.4	35	Non-dir.
tert-Butylbenzene	36.0		"	50.0	0.00	72.0	10-160		10.4	79	
Tetrachloroethylene	35.3		"	50.0	0.00	70.6	30-167		9.00	33	
Toluene	40.2		"	50.0	0.00	80.4	21-160		9.51	50	
trans-1,2-Dichloroethylene	44.6		"	50.0	0.00	89.2	29-153		12.5	30	
trans-1,3-Dichloropropylene	43.4		"	50.0	0.00	86.8	18-155		16.3	30	
Trichloroethylene	40.6		"	50.0	0.00	81.2	24-169		9.25	30	
Trichlorofluoromethane	35.6		"	50.0	0.00	71.2	35-142		12.1	30	
Vinyl Chloride	35.0		"	50.0	0.00	70.0	12-160		9.83	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.5*		*"*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.0*		*"*	*50.0*		*95.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20861 - EPA 5030B											
Blank (BE20861-BLK1) Blank									Prepared & Analyzed: 05/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	0.220	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20861 - EPA 5030B											
Blank (BE20861-BLK1) Blank								Prepared & Analyzed: 05/11/2022			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*12.2*		*"*	*10.0*		*122*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS (BE20861-BS1) LCS								Prepared & Analyzed: 05/11/2022			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11.5		"	10.0		115	78-136				
1,1,2,2-Tetrachloroethane	8.52		"	10.0		85.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165				
1,1,2-Trichloroethane	8.68		"	10.0		86.8	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	12.6		"	10.0		126	68-138				
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8	76-136				
1,2,3-Trichloropropane	9.12		"	10.0		91.2	77-128				
1,2,4-Trichlorobenzene	8.09		"	10.0		80.9	76-137				
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	82-132				
1,2-Dibromo-3-chloropropane	7.13		"	10.0		71.3	45-147				
1,2-Dibromoethane	8.87		"	10.0		88.7	83-124				
1,2-Dichlorobenzene	9.39		"	10.0		93.9	79-123				
1,2-Dichloroethane	12.0		"	10.0		120	73-132				
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126				
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	80-131				
1,3-Dichlorobenzene	9.14		"	10.0		91.4	86-122				
1,4-Dichlorobenzene	9.18		"	10.0		91.8	85-124				
1,4-Dioxane	181		"	210		86.1	10-349				
2-Butanone	8.92		"	10.0		89.2	49-152				
2-Hexanone	8.20		"	10.0		82.0	51-146				
4-Methyl-2-pentanone	8.21		"	10.0		82.1	57-145				
Acetone	9.46		"	10.0		94.6	14-150				
Acrolein	4.43		"	10.0		44.3	10-153				
Acrylonitrile	8.95		"	10.0		89.5	51-150				
Benzene	9.89		"	10.0		98.9	85-126				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	10.2		"	10.0		102	79-128				
Bromoform	10.7		"	10.0		107	78-133				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20861 - EPA 5030B											
LCS (BE20861-BS1) LCS							Prepared & Analyzed: 05/11/2022				
Bromomethane	10.7		ug/L	10.0		107	43-168				
Carbon disulfide	11.4		"	10.0		114	68-146				
Carbon tetrachloride	12.3		"	10.0		123	77-141				
Chlorobenzene	10.0		"	10.0		100	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	8.67		"	10.0		86.7	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	80-131				
Cyclohexane	8.15		"	10.0		81.5	63-149				
Dibromochloromethane	9.66		"	10.0		96.6	80-130				
Dibromomethane	9.35		"	10.0		93.5	72-134				
Dichlorodifluoromethane	18.2		"	10.0		182	44-144	High Bias			
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	11.2		"	10.0		112	67-146				
Isopropylbenzene	10.0		"	10.0		100	76-140				
Methyl acetate	9.20		"	10.0		92.0	51-139				
Methyl tert-butyl ether (MTBE)	9.85		"	10.0		98.5	76-135				
Methylcyclohexane	9.79		"	10.0		97.9	72-143				
Methylene chloride	10.8		"	10.0		108	55-137				
n-Butylbenzene	9.51		"	10.0		95.1	79-132				
n-Propylbenzene	9.94		"	10.0		99.4	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Isopropyltoluene	9.78		"	10.0		97.8	81-136				
sec-Butylbenzene	9.54		"	10.0		95.4	79-137				
Styrene	9.64		"	10.0		96.4	67-132				
tert-Butyl alcohol (TBA)	38.4		"	50.0		76.7	25-162				
tert-Butylbenzene	7.91		"	10.0		79.1	77-138				
Tetrachloroethylene	10.4		"	10.0		104	82-131				
Toluene	9.76		"	10.0		97.6	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	78-131				
Trichloroethylene	9.54		"	10.0		95.4	82-128				
Trichlorofluoromethane	13.1		"	10.0		131	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*12.0*		*"*	*10.0*		*120*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20861 - EPA 5030B											
LCS Dup (BE20861-BSD1) LCS Dup								Prepared & Analyzed: 05/11/2022			
1,1,1,2-Tetrachloroethane	9.79		ug/L	10.0		97.9	82-126		4.59	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		6.36	30	
1,1,2,2-Tetrachloroethane	8.33		"	10.0		83.3	76-129		2.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		7.43	30	
1,1,2-Trichloroethane	8.69		"	10.0		86.9	82-123		0.115	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		5.00	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		6.79	30	
1,2,3-Trichlorobenzene	7.57		"	10.0		75.7	76-136	Low Bias	2.74	30	
1,2,3-Trichloropropane	8.99		"	10.0		89.9	77-128		1.44	30	
1,2,4-Trichlorobenzene	7.56		"	10.0		75.6	76-137	Low Bias	6.77	30	
1,2,4-Trimethylbenzene	8.79		"	10.0		87.9	82-132		8.50	30	
1,2-Dibromo-3-chloropropane	7.81		"	10.0		78.1	45-147		9.10	30	
1,2-Dibromoethane	9.07		"	10.0		90.7	83-124		2.23	30	
1,2-Dichlorobenzene	8.80		"	10.0		88.0	79-123		6.49	30	
1,2-Dichloroethane	11.9		"	10.0		119	73-132		1.51	30	
1,2-Dichloropropane	9.55		"	10.0		95.5	78-126		2.38	30	
1,3,5-Trimethylbenzene	8.88		"	10.0		88.8	80-131		9.13	30	
1,3-Dichlorobenzene	8.41		"	10.0		84.1	86-122	Low Bias	8.32	30	
1,4-Dichlorobenzene	8.45		"	10.0		84.5	85-124	Low Bias	8.28	30	
1,4-Dioxane	183		"	210		87.0	10-349		1.11	30	
2-Butanone	9.39		"	10.0		93.9	49-152		5.13	30	
2-Hexanone	8.72		"	10.0		87.2	51-146		6.15	30	
4-Methyl-2-pentanone	8.72		"	10.0		87.2	57-145		6.02	30	
Acetone	10.0		"	10.0		100	14-150		5.95	30	
Acrolein	4.51		"	10.0		45.1	10-153		1.79	30	
Acrylonitrile	9.50		"	10.0		95.0	51-150		5.96	30	
Benzene	9.37		"	10.0		93.7	85-126		5.40	30	
Bromochloromethane	10.3		"	10.0		103	77-128		3.43	30	
Bromodichloromethane	9.82		"	10.0		98.2	79-128		3.80	30	
Bromoform	10.8		"	10.0		108	78-133		1.30	30	
Bromomethane	9.24		"	10.0		92.4	43-168		14.6	30	
Carbon disulfide	10.6		"	10.0		106	68-146		7.00	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		7.26	30	
Chlorobenzene	9.59		"	10.0		95.9	88-120		4.19	30	
Chloroethane	9.50		"	10.0		95.0	65-136		7.01	30	
Chloroform	10.4		"	10.0		104	82-128		5.31	30	
Chloromethane	7.60		"	10.0		76.0	43-155		13.2	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		5.77	30	
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-131		3.00	30	
Cyclohexane	7.64		"	10.0		76.4	63-149		6.46	30	
Dibromochloromethane	9.50		"	10.0		95.0	80-130		1.67	30	
Dibromomethane	9.23		"	10.0		92.3	72-134		1.29	30	
Dichlorodifluoromethane	16.1		"	10.0		161	44-144	High Bias	12.7	30	
Ethyl Benzene	9.87		"	10.0		98.7	80-131		5.61	30	
Hexachlorobutadiene	11.0		"	10.0		110	67-146		1.71	30	
Isopropylbenzene	9.11		"	10.0		91.1	76-140		9.61	30	
Methyl acetate	9.70		"	10.0		97.0	51-139		5.29	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	76-135		0.101	30	
Methylcyclohexane	9.23		"	10.0		92.3	72-143		5.89	30	
Methylene chloride	10.4		"	10.0		104	55-137		3.79	30	
n-Butylbenzene	9.86		"	10.0		98.6	79-132		3.61	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20861 - EPA 5030B											
LCS Dup (BE20861-BSD1) LCS Dup								Prepared & Analyzed: 05/11/2022			
n-Propylbenzene	9.04		ug/L	10.0		90.4	78-133		9.48	30	
o-Xylene	9.88		"	10.0		98.8	78-130		4.65	30	
p- & m- Xylenes	17.1		"	20.0		85.3	77-133		5.42	30	
p-Isopropyltoluene	8.93		"	10.0		89.3	81-136		9.09	30	
sec-Butylbenzene	8.71		"	10.0		87.1	79-137		9.10	30	
Styrene	9.23		"	10.0		92.3	67-132		4.35	30	
tert-Butyl alcohol (TBA)	42.1		"	50.0		84.2	25-162		9.30	30	
tert-Butylbenzene	7.22		"	10.0		72.2	77-138	Low Bias	9.12	30	
Tetrachloroethylene	9.76		"	10.0		97.6	82-131		6.16	30	
Toluene	9.26		"	10.0		92.6	80-127		5.26	30	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132		5.68	30	
trans-1,3-Dichloropropylene	9.63		"	10.0		96.3	78-131		0.930	30	
Trichloroethylene	9.03		"	10.0		90.3	82-128		5.49	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		7.47	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		11.2	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*12.1*		*"*	*10.0*		*121*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				
Batch BE20906 - EPA 5030B											
Blank (BE20906-BLK1) Blank								Prepared & Analyzed: 05/16/2022			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20906 - EPA 5030B											
Blank (BE20906-BLK1) Blank									Prepared & Analyzed: 05/16/2022		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.8*		*"*	*10.0*		*118*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.45*		*"*	*10.0*		*94.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.57*		*"*	*10.0*		*95.7*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20906 - EPA 5030B											
LCS (BE20906-BS1) LCS							Prepared & Analyzed: 05/16/2022				
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	8.05		"	10.0		80.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	8.65		"	10.0		86.5	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	11.7		"	10.0		117	68-138				
1,2,3-Trichlorobenzene	7.98		"	10.0		79.8	76-136				
1,2,3-Trichloropropane	8.58		"	10.0		85.8	77-128				
1,2,4-Trichlorobenzene	8.27		"	10.0		82.7	76-137				
1,2,4-Trimethylbenzene	8.88		"	10.0		88.8	82-132				
1,2-Dibromo-3-chloropropane	8.23		"	10.0		82.3	45-147				
1,2-Dibromoethane	8.99		"	10.0		89.9	83-124				
1,2-Dichlorobenzene	9.03		"	10.0		90.3	79-123				
1,2-Dichloroethane	11.9		"	10.0		119	73-132				
1,2-Dichloropropane	9.54		"	10.0		95.4	78-126				
1,3,5-Trimethylbenzene	9.00		"	10.0		90.0	80-131				
1,3-Dichlorobenzene	8.76		"	10.0		87.6	86-122				
1,4-Dichlorobenzene	8.81		"	10.0		88.1	85-124				
1,4-Dioxane	183		"	210		86.9	10-349				
2-Butanone	9.16		"	10.0		91.6	49-152				
2-Hexanone	8.11		"	10.0		81.1	51-146				
4-Methyl-2-pentanone	8.30		"	10.0		83.0	57-145				
Acetone	9.57		"	10.0		95.7	14-150				
Acrolein	4.34		"	10.0		43.4	10-153				
Acrylonitrile	9.05		"	10.0		90.5	51-150				
Benzene	9.77		"	10.0		97.7	85-126				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	9.90		"	10.0		99.0	79-128				
Bromoform	10.8		"	10.0		108	78-133				
Bromomethane	9.27		"	10.0		92.7	43-168				
Carbon disulfide	10.4		"	10.0		104	68-146				
Carbon tetrachloride	11.9		"	10.0		119	77-141				
Chlorobenzene	9.90		"	10.0		99.0	88-120				
Chloroethane	9.25		"	10.0		92.5	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	6.60		"	10.0		66.0	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	9.22		"	10.0		92.2	80-131				
Cyclohexane	7.68		"	10.0		76.8	63-149				
Dibromochloromethane	9.64		"	10.0		96.4	80-130				
Dibromomethane	9.12		"	10.0		91.2	72-134				
Dichlorodifluoromethane	11.1		"	10.0		111	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	11.4		"	10.0		114	67-146				
Isopropylbenzene	9.18		"	10.0		91.8	76-140				
Methyl acetate	9.26		"	10.0		92.6	51-139				
Methyl tert-butyl ether (MTBE)	9.94		"	10.0		99.4	76-135				
Methylcyclohexane	9.13		"	10.0		91.3	72-143				
Methylene chloride	10.4		"	10.0		104	55-137				
n-Butylbenzene	8.77		"	10.0		87.7	79-132				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20906 - EPA 5030B											
LCS (BE20906-BS1) LCS								Prepared & Analyzed: 05/16/2022			
n-Propylbenzene	9.22		ug/L	10.0		92.2	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	17.6		"	20.0		87.8	77-133				
p-Isopropyltoluene	9.19		"	10.0		91.9	81-136				
sec-Butylbenzene	8.92		"	10.0		89.2	79-137				
Styrene	9.45		"	10.0		94.5	67-132				
tert-Butyl alcohol (TBA)	41.0		"	50.0		81.9	25-162				
tert-Butylbenzene	7.40		"	10.0		74.0	77-138	Low Bias			
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	9.39		"	10.0		93.9	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.61		"	10.0		96.1	78-131				
Trichloroethylene	9.20		"	10.0		92.0	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	9.12		"	10.0		91.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.8*		*"*	*10.0*		*118*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.51*		*"*	*10.0*		*95.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.55*		*"*	*10.0*		*95.5*	*79-122*				
LCS Dup (BE20906-BSD1) LCS Dup								Prepared & Analyzed: 05/16/2022			
1,1,1,2-Tetrachloroethane	9.96		ug/L	10.0		99.6	82-126		1.30	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		5.18	30	
1,1,2,2-Tetrachloroethane	8.29		"	10.0		82.9	76-129		2.94	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		5.70	30	
1,1,2-Trichloroethane	8.92		"	10.0		89.2	82-123		3.07	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		4.38	30	
1,1-Dichloroethylene	11.0		"	10.0		110	68-138		5.82	30	
1,2,3-Trichlorobenzene	8.09		"	10.0		80.9	76-136		1.37	30	
1,2,3-Trichloropropane	8.86		"	10.0		88.6	77-128		3.21	30	
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	76-137		1.34	30	
1,2,4-Trimethylbenzene	8.37		"	10.0		83.7	82-132		5.91	30	
1,2-Dibromo-3-chloropropane	7.58		"	10.0		75.8	45-147		8.22	30	
1,2-Dibromoethane	9.29		"	10.0		92.9	83-124		3.28	30	
1,2-Dichlorobenzene	8.81		"	10.0		88.1	79-123		2.47	30	
1,2-Dichloroethane	11.9		"	10.0		119	73-132		0.00	30	
1,2-Dichloropropane	9.37		"	10.0		93.7	78-126		1.80	30	
1,3,5-Trimethylbenzene	8.41		"	10.0		84.1	80-131		6.78	30	
1,3-Dichlorobenzene	8.40		"	10.0		84.0	86-122	Low Bias	4.20	30	
1,4-Dichlorobenzene	8.47		"	10.0		84.7	85-124	Low Bias	3.94	30	
1,4-Dioxane	195		"	210		92.6	10-349		6.37	30	
2-Butanone	9.74		"	10.0		97.4	49-152		6.14	30	
2-Hexanone	8.94		"	10.0		89.4	51-146		9.74	30	
4-Methyl-2-pentanone	9.00		"	10.0		90.0	57-145		8.09	30	
Acetone	10.1		"	10.0		101	14-150		5.29	30	
Acrolein	4.60		"	10.0		46.0	10-153		5.82	30	
Acrylonitrile	9.71		"	10.0		97.1	51-150		7.04	30	
Benzene	9.43		"	10.0		94.3	85-126		3.54	30	
Bromochloromethane	10.2		"	10.0		102	77-128		1.56	30	
Bromodichloromethane	9.74		"	10.0		97.4	79-128		1.63	30	
Bromoform	11.4		"	10.0		114	78-133		5.05	30	
Bromomethane	8.61		"	10.0		86.1	43-168		7.38	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20906 - EPA 5030B											
LCS Dup (BE20906-BSD1) LCS Dup								Prepared & Analyzed: 05/16/2022			
Carbon disulfide	9.69		ug/L	10.0		96.9	68-146		6.78	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		7.14	30	
Chlorobenzene	9.64		"	10.0		96.4	88-120		2.66	30	
Chloroethane	8.68		"	10.0		86.8	65-136		6.36	30	
Chloroform	10.6		"	10.0		106	82-128		3.43	30	
Chloromethane	6.02		"	10.0		60.2	43-155		9.19	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		4.33	30	
cis-1,3-Dichloropropylene	9.17		"	10.0		91.7	80-131		0.544	30	
Cyclohexane	7.20		"	10.0		72.0	63-149		6.45	30	
Dibromochloromethane	9.65		"	10.0		96.5	80-130		0.104	30	
Dibromomethane	9.40		"	10.0		94.0	72-134		3.02	30	
Dichlorodifluoromethane	9.90		"	10.0		99.0	44-144		11.2	30	
Ethyl Benzene	9.77		"	10.0		97.7	80-131		3.62	30	
Hexachlorobutadiene	11.4		"	10.0		114	67-146		0.352	30	
Isopropylbenzene	8.62		"	10.0		86.2	76-140		6.29	30	
Methyl acetate	9.67		"	10.0		96.7	51-139		4.33	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		1.89	30	
Methylcyclohexane	8.65		"	10.0		86.5	72-143		5.40	30	
Methylene chloride	10.1		"	10.0		101	55-137		2.15	30	
n-Butylbenzene	8.22		"	10.0		82.2	79-132		6.47	30	
n-Propylbenzene	8.60		"	10.0		86.0	78-133		6.96	30	
o-Xylene	9.82		"	10.0		98.2	78-130		3.50	30	
p- & m- Xylenes	16.9		"	20.0		84.4	77-133		4.01	30	
p-Isopropyltoluene	8.62		"	10.0		86.2	81-136		6.40	30	
sec-Butylbenzene	8.36		"	10.0		83.6	79-137		6.48	30	
Styrene	9.29		"	10.0		92.9	67-132		1.71	30	
tert-Butyl alcohol (TBA)	45.1		"	50.0		90.3	25-162		9.69	30	
tert-Butylbenzene	6.93		"	10.0		69.3	77-138	Low Bias	6.56	30	
Tetrachloroethylene	9.65		"	10.0		96.5	82-131		4.46	30	
Toluene	9.13		"	10.0		91.3	80-127		2.81	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		5.44	30	
trans-1,3-Dichloropropylene	9.68		"	10.0		96.8	78-131		0.726	30	
Trichloroethylene	8.79		"	10.0		87.9	82-128		4.56	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		9.12	30	
Vinyl Chloride	8.25		"	10.0		82.5	58-145		10.0	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.8*		*"*	*10.0*		*118*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.28*		*"*	*10.0*		*92.8*	*79-122*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
Blank (BE20639-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/12/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
Blank (BE20639-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/12/2022		
Surrogate: SURR: 2-Fluorophenol	*19.1*		*ug/L*	*50.0*		*38.2*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*12.1*		*"*	*50.0*		*24.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*21.3*		*"*	*25.0*		*85.0*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*21.0*		*"*	*25.0*		*84.0*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*57.4*		*"*	*50.0*		*115*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*26.0*		*"*	*25.0*		*104*	*30.7-106*				
Blank (BE20639-BLK2) Blank									Prepared: 05/11/2022 Analyzed: 05/13/2022		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
Blank (BE20639-BLK2) Blank									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.630	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
LCS (BE20639-BS1) LCS								Prepared: 05/11/2022 Analyzed: 05/12/2022			
1,1-Biphenyl	15.9	5.00	ug/L	25.0		63.6	33-95				
1,2,4,5-Tetrachlorobenzene	14.9	5.00	"	25.0		59.6	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	16.1	5.00	"	25.0		64.5	16-141				
2,3,4,6-Tetrachlorophenol	21.7	5.00	"	25.0		86.7	30-130				
2,4,5-Trichlorophenol	18.3	5.00	"	25.0		73.2	32-114				
2,4,6-Trichlorophenol	18.6	5.00	"	25.0		74.3	35-118				
2,4-Dichlorophenol	20.2	5.00	"	25.0		81.0	25-116				
2,4-Dimethylphenol	17.0	5.00	"	25.0		68.0	15-116				
2,4-Dinitrophenol	19.7	5.00	"	25.0		78.8	10-170				
2,4-Dinitrotoluene	19.1	5.00	"	25.0		76.2	41-128				
2,6-Dinitrotoluene	20.8	5.00	"	25.0		83.1	45-116				
2-Chloronaphthalene	16.6	5.00	"	25.0		66.4	33-112				
2-Chlorophenol	16.4	5.00	"	25.0		65.6	15-120				
2-Methylnaphthalene	18.3	5.00	"	25.0		73.4	24-118				
2-Methylphenol	14.8	5.00	"	25.0		59.1	10-110				
2-Nitroaniline	19.5	5.00	"	25.0		78.0	34-129				
2-Nitrophenol	19.8	5.00	"	25.0		79.1	28-118				
3- & 4-Methylphenols	12.5	5.00	"	25.0		50.1	10-107				
3,3-Dichlorobenzidine	15.3	5.00	"	25.0		61.0	15-187				
3-Nitroaniline	17.4	5.00	"	25.0		69.5	24-134				
4,6-Dinitro-2-methylphenol	19.2	5.00	"	25.0		77.0	10-153				
4-Bromophenyl phenyl ether	17.6	5.00	"	25.0		70.3	34-120				
4-Chloro-3-methylphenol	20.6	5.00	"	25.0		82.5	20-120				
4-Chloroaniline	15.8	5.00	"	25.0		63.2	10-147				
4-Chlorophenyl phenyl ether	17.6	5.00	"	25.0		70.3	27-121				
4-Nitroaniline	18.4	5.00	"	25.0		73.5	13-134				
4-Nitrophenol	8.23	5.00	"	25.0		32.9	10-131				
Acetophenone	17.3	5.00	"	25.0		69.3	25-110				
Aniline	12.1	5.00	"	25.0		48.4	10-117				
Benzaldehyde	16.8	5.00	"	25.0		67.4	29-117				
Benzoic acid	6.60	5.00	"	25.0		26.4	30-130	Low Bias			
Benzyl alcohol	14.1	5.00	"	25.0		56.5	10-117				
Benzyl butyl phthalate	19.8	5.00	"	25.0		79.1	29-133				
Bis(2-chloroethoxy)methane	18.0	5.00	"	25.0		72.2	10-154				
Bis(2-chloroethyl)ether	17.9	5.00	"	25.0		71.6	17-125				
Bis(2-chloroisopropyl)ether	16.9	5.00	"	25.0		67.5	10-139				
Caprolactam	4.78	5.00	"	25.0		19.1	10-137				
Carbazole	18.6	5.00	"	25.0		74.4	42-126				
Dibenzofuran	17.1	5.00	"	25.0		68.4	36-113				
Diethyl phthalate	18.3	5.00	"	25.0		73.1	38-115				
Dimethyl phthalate	17.6	5.00	"	25.0		70.2	38-129				
Di-n-butyl phthalate	19.0	5.00	"	25.0		75.9	31-120				
Di-n-octyl phthalate	21.2	5.00	"	25.0		84.8	21-149				
Diphenylamine	19.8	5.00	"	25.0		79.2	40-140				
Hexachlorocyclopentadiene	11.2	10.0	"	25.0		45.0	10-130				
Isophorone	19.2	5.00	"	25.0		76.6	25-127				
N-nitroso-di-n-propylamine	17.5	5.00	"	25.0		70.2	26-122				
N-Nitrosodiphenylamine	19.4	5.00	"	25.0		77.6	23-149				
Phenol	6.35	5.00	"	25.0		25.4	10-110				
Pyridine	12.0	5.00	"	25.5		47.0	10-90				
Surrogate: SURR: 2-Fluorophenol	*21.0*		*"*	*50.0*		*42.1*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
LCS (BE20639-BS1) LCS								Prepared: 05/11/2022 Analyzed: 05/12/2022			
Surrogate: SURR: Phenol-d5	*14.0*		*ug/L*	*50.0*		*28.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*20.6*		*"*	*25.0*		*82.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.8*		*"*	*25.0*		*75.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*48.6*		*"*	*50.0*		*97.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*21.6*		*"*	*25.0*		*86.3*	*30.7-106*				
LCS (BE20639-BS2) LCS								Prepared: 05/11/2022 Analyzed: 05/13/2022			
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.770	0.0500	"	1.00		77.0	25-116				
Acenaphthylene	0.790	0.0500	"	1.00		79.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.720	0.0500	"	1.00		72.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.760	0.0500	"	1.00		76.0	33-125				
Benzo(a)pyrene	0.540	0.0500	"	1.00		54.0	32-132				
Benzo(b)fluoranthene	0.720	0.0500	"	1.00		72.0	22-137				
Benzo(g,h,i)perylene	0.880	0.0500	"	1.00		88.0	10-138				
Benzo(k)fluoranthene	0.710	0.0500	"	1.00		71.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
LCS (BE20639-BS2) LCS							Prepared: 05/11/2022 Analyzed: 05/13/2022				
Bis(2-ethylhexyl)phthalate	1.07	0.500	ug/L	1.00		107	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.530	0.0500	"	1.00		53.0	32-124				
Dibenzo(a,h)anthracene	0.930	0.0500	"	1.00		93.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.820	0.0500	"	1.00		82.0	32-121				
Fluorene	0.830	0.0500	"	1.00		83.0	28-118				
Hexachlorobenzene	0.770	0.0200	"	1.00		77.0	23-124				
Hexachlorobutadiene	0.780	0.500	"	1.00		78.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	4.37	0.500	"	1.00		437	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	0.780	0.0500	"	1.00		78.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.780	0.0500	"	1.00		78.0	18-120				
Nitrobenzene	1.04	0.250	"	1.00		104	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.28	0.250	"	1.00		128	10-156				
Phenanthrene	0.850	0.0500	"	1.00		85.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.770	0.0500	"	1.00		77.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
LCS Dup (BE20639-BSD1) LCS Dup								Prepared: 05/11/2022 Analyzed: 05/12/2022			
1,1-Biphenyl	16.2	5.00	ug/L	25.0		64.6	33-95		1.68	20	
1,2,4,5-Tetrachlorobenzene	15.0	5.00	"	25.0		60.2	26-120		1.07	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.5	5.00	"	25.0		66.1	16-141		2.51	20	
2,3,4,6-Tetrachlorophenol	21.9	5.00	"	25.0		87.5	30-130		0.873	20	
2,4,5-Trichlorophenol	19.5	5.00	"	25.0		78.0	32-114		6.40	20	
2,4,6-Trichlorophenol	20.0	5.00	"	25.0		80.0	35-118		7.47	20	
2,4-Dichlorophenol	19.7	5.00	"	25.0		78.9	25-116		2.55	20	
2,4-Dimethylphenol	16.7	5.00	"	25.0		66.9	15-116		1.60	20	
2,4-Dinitrophenol	22.3	5.00	"	25.0		89.2	10-170		12.4	20	
2,4-Dinitrotoluene	20.8	5.00	"	25.0		83.4	41-128		8.92	20	
2,6-Dinitrotoluene	22.0	5.00	"	25.0		87.9	45-116		5.61	20	
2-Chloronaphthalene	16.9	5.00	"	25.0		67.5	33-112		1.73	20	
2-Chlorophenol	15.8	5.00	"	25.0		63.4	15-120		3.35	20	
2-Methylnaphthalene	17.9	5.00	"	25.0		71.5	24-118		2.54	20	
2-Methylphenol	14.4	5.00	"	25.0		57.5	10-110		2.75	20	
2-Nitroaniline	20.0	5.00	"	25.0		79.8	34-129		2.33	20	
2-Nitrophenol	19.5	5.00	"	25.0		78.0	28-118		1.38	20	
3- & 4-Methylphenols	11.6	5.00	"	25.0		46.6	10-107		7.28	20	
3,3-Dichlorobenzidine	16.3	5.00	"	25.0		65.3	15-187		6.77	20	
3-Nitroaniline	18.4	5.00	"	25.0		73.5	24-134		5.59	20	
4,6-Dinitro-2-methylphenol	20.9	5.00	"	25.0		83.6	10-153		8.27	20	
4-Bromophenyl phenyl ether	18.0	5.00	"	25.0		72.1	34-120		2.53	20	
4-Chloro-3-methylphenol	20.4	5.00	"	25.0		81.4	20-120		1.32	20	
4-Chloroaniline	15.6	5.00	"	25.0		62.4	10-147		1.27	20	
4-Chlorophenyl phenyl ether	17.9	5.00	"	25.0		71.6	27-121		1.75	20	
4-Nitroaniline	20.1	5.00	"	25.0		80.6	13-134		9.14	20	
4-Nitrophenol	8.80	5.00	"	25.0		35.2	10-131		6.69	20	
Acetophenone	16.3	5.00	"	25.0		65.0	25-110		6.31	20	
Aniline	10.8	5.00	"	25.0		43.3	10-117		11.1	20	
Benzaldehyde	15.5	5.00	"	25.0		62.0	29-117		8.22	20	
Benzoic acid	6.56	5.00	"	25.0		26.2	30-130	Low Bias	0.608	20	
Benzyl alcohol	13.5	5.00	"	25.0		54.0	10-117		4.63	20	
Benzyl butyl phthalate	20.2	5.00	"	25.0		81.0	29-133		2.30	20	
Bis(2-chloroethoxy)methane	17.3	5.00	"	25.0		69.2	10-154		4.30	20	
Bis(2-chloroethyl)ether	16.2	5.00	"	25.0		64.7	17-125		10.0	20	
Bis(2-chloroisopropyl)ether	14.9	5.00	"	25.0		59.5	10-139		12.6	20	
Caprolactam	4.97	5.00	"	25.0		19.9	10-137		3.90	20	
Carbazole	19.6	5.00	"	25.0		78.6	42-126		5.44	20	
Dibenzofuran	17.4	5.00	"	25.0		69.8	36-113		2.03	20	
Diethyl phthalate	18.6	5.00	"	25.0		74.3	38-115		1.63	20	
Dimethyl phthalate	18.0	5.00	"	25.0		72.0	38-129		2.53	20	
Di-n-butyl phthalate	19.5	5.00	"	25.0		78.1	31-120		2.86	20	
Di-n-octyl phthalate	21.2	5.00	"	25.0		85.0	21-149		0.188	20	
Diphenylamine	20.9	5.00	"	25.0		83.6	40-140		5.46	20	
Hexachlorocyclopentadiene	11.0	10.0	"	25.0		44.0	10-130		2.16	20	
Isophorone	18.6	5.00	"	25.0		74.5	25-127		2.80	20	
N-nitroso-di-n-propylamine	16.2	5.00	"	25.0		64.8	26-122		7.94	20	
N-Nitrosodiphenylamine	20.2	5.00	"	25.0		80.8	23-149		4.04	20	
Phenol	6.18	5.00	"	25.0		24.7	10-110		2.71	20	
Pyridine	10.5	5.00	"	25.5		41.0	10-90		13.6	20	
Surrogate: SURR: 2-Fluorophenol	*19.9*		*"*	*50.0*		*39.8*	*19.7-63.1*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20639 - EPA 3510C											
LCS Dup (BE20639-BSD1) LCS Dup									Prepared: 05/11/2022 Analyzed: 05/12/2022		
Surrogate: SURR: Phenol-d5	*13.5*		*ug/L*	*50.0*		*27.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*20.4*		*"*	*25.0*		*81.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*19.6*		*"*	*25.0*		*78.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*51.4*		*"*	*50.0*		*103*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*22.6*		*"*	*25.0*		*90.4*	*30.7-106*				
Batch BE20644 - EPA 3546 SVOA											
Blank (BE20644-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/12/2022		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
Blank (BE20644-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/12/2022		
Benzyl butyl phthalate	ND	0.0416	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.13*		"	*1.66*		*67.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.10*		"	*1.66*		*66.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.596*		"	*0.831*		*71.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.760*		"	*0.831*		*91.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.17*		"	*1.66*		*130*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.673*		"	*0.831*		*81.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
LCS (BE20644-BS1) LCS								Prepared: 05/11/2022 Analyzed: 05/12/2022			
1,1-Biphenyl	0.650	0.0416	mg/kg wet	0.831		78.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.670	0.0830	"	0.831		80.7	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.557	0.0416	"	0.831		67.1	17-137				
2,3,4,6-Tetrachlorophenol	0.568	0.0830	"	0.831		68.4	30-130				
2,4,5-Trichlorophenol	0.620	0.0416	"	0.831		74.6	27-118				
2,4,6-Trichlorophenol	0.665	0.0416	"	0.831		80.0	31-120				
2,4-Dichlorophenol	0.641	0.0416	"	0.831		77.1	20-127				
2,4-Dimethylphenol	0.545	0.0416	"	0.831		65.6	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.471	0.0416	"	0.831		56.8	34-131				
2,6-Dinitrotoluene	0.602	0.0416	"	0.831		72.4	31-128				
2-Chloronaphthalene	0.672	0.0416	"	0.831		81.0	31-117				
2-Chlorophenol	0.676	0.0416	"	0.831		81.4	33-113				
2-Methylnaphthalene	0.614	0.0416	"	0.831		74.0	12-138				
2-Methylphenol	0.619	0.0416	"	0.831		74.5	10-136				
2-Nitroaniline	0.674	0.0830	"	0.831		81.2	27-132				
2-Nitrophenol	0.312	0.0416	"	0.831		37.6	17-129				
3- & 4-Methylphenols	0.543	0.0416	"	0.831		65.4	29-103				
3,3-Dichlorobenzidine	0.735	0.0416	"	0.831		88.4	22-149				
3-Nitroaniline	0.773	0.0830	"	0.831		93.0	20-133				
4,6-Dinitro-2-methylphenol	ND	0.0830	"	0.831			10-143	Low Bias			
4-Bromophenyl phenyl ether	0.785	0.0416	"	0.831		94.5	29-120				
4-Chloro-3-methylphenol	0.589	0.0416	"	0.831		70.9	24-129				
4-Chloroaniline	0.574	0.0416	"	0.831		69.2	10-132				
4-Chlorophenyl phenyl ether	0.660	0.0416	"	0.831		79.5	27-124				
4-Nitroaniline	0.706	0.0830	"	0.831		85.0	16-128				
4-Nitrophenol	0.379	0.0830	"	0.831		45.6	10-141				
Acenaphthene	0.653	0.0416	"	0.831		78.7	30-121				
Acenaphthylene	0.614	0.0416	"	0.831		73.9	30-115				
Acetophenone	0.621	0.0416	"	0.831		74.7	20-112				
Aniline	0.609	0.166	"	0.831		73.3	10-119				
Anthracene	0.683	0.0416	"	0.831		82.2	34-118				
Atrazine	0.709	0.0416	"	0.831		85.4	26-112				
Benzaldehyde	0.596	0.0416	"	0.831		71.7	21-100				
Benzo(a)anthracene	0.705	0.0416	"	0.831		84.8	32-122				
Benzo(a)pyrene	0.856	0.0416	"	0.831		103	29-133				
Benzo(b)fluoranthene	0.927	0.0416	"	0.831		112	25-133				
Benzo(g,h,i)perylene	0.783	0.0416	"	0.831		94.2	10-143				
Benzo(k)fluoranthene	0.824	0.0416	"	0.831		99.2	25-128				
Benzoic acid	0.0502	0.0416	"	0.831		6.04	10-140	Low Bias			
Benzyl alcohol	0.605	0.0416	"	0.831		72.8	30-115				
Benzyl butyl phthalate	0.603	0.0416	"	0.831		72.6	26-126				
Bis(2-chloroethoxy)methane	0.541	0.0416	"	0.831		65.1	19-132				
Bis(2-chloroethyl)ether	0.621	0.0416	"	0.831		74.8	19-125				
Bis(2-chloroisopropyl)ether	0.552	0.0416	"	0.831		66.4	20-135				
Bis(2-ethylhexyl)phthalate	0.645	0.0416	"	0.831		77.7	10-155				
Caprolactam	0.544	0.0830	"	0.831		65.5	10-127				
Carbazole	0.638	0.0416	"	0.831		76.8	35-123				
Chrysene	0.647	0.0416	"	0.831		77.8	32-123				
Dibenzo(a,h)anthracene	0.917	0.0416	"	0.831		110	10-136				
Dibenzofuran	0.692	0.0416	"	0.831		83.3	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
LCS (BE20644-BS1) LCS								Prepared: 05/11/2022 Analyzed: 05/12/2022			
Diethyl phthalate	0.642	0.0416	mg/kg wet	0.831		77.3	34-116				
Dimethyl phthalate	0.679	0.0416	"	0.831		81.8	35-124				
Di-n-butyl phthalate	0.738	0.0416	"	0.831		88.8	31-116				
Di-n-octyl phthalate	0.764	0.0416	"	0.831		92.0	26-136				
Diphenylamine	0.836	0.0830	"	0.831		101	40-140				
Fluoranthene	0.648	0.0416	"	0.831		78.0	33-122				
Fluorene	0.633	0.0416	"	0.831		76.2	29-123				
Hexachlorobenzene	0.669	0.0416	"	0.831		80.5	21-124				
Hexachlorobutadiene	0.690	0.0416	"	0.831		83.1	10-149				
Hexachlorocyclopentadiene	0.0382	0.0416	"	0.831		4.60	10-129	Low Bias			
Hexachloroethane	0.501	0.0416	"	0.831		60.4	28-108				
Indeno(1,2,3-cd)pyrene	1.18	0.0416	"	0.831		142	10-135	High Bias			
Isophorone	0.535	0.0416	"	0.831		64.4	20-132				
Naphthalene	0.654	0.0416	"	0.831		78.8	23-124				
Nitrobenzene	0.483	0.0416	"	0.831		58.2	13-132				
N-Nitrosodimethylamine	2.78	0.0416	"	0.831		335	11-129	High Bias			
N-nitroso-di-n-propylamine	0.561	0.0416	"	0.831		67.5	24-119				
N-Nitrosodiphenylamine	0.797	0.0416	"	0.831		96.0	22-152				
Pentachlorophenol	0.441	0.0416	"	0.831		53.1	10-139				
Phenanthrene	0.651	0.0416	"	0.831		78.4	33-123				
Phenol	0.0449	0.0416	"	0.831		5.40	23-115	Low Bias			
Pyrene	0.686	0.0416	"	0.831		82.6	24-130				
Pyridine	2.32	0.166	"	0.831		279	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.29*		"	*1.66*		*77.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.33*		"	*1.66*		*80.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.561*		"	*0.831*		*67.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.745*		"	*0.831*		*89.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.21*		"	*1.66*		*133*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.841*		"	*0.831*		*101*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
Matrix Spike (BE20644-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared: 05/11/2022 Analyzed: 05/12/2022			
1,1-Biphenyl	0.894	0.102	mg/kg dry	1.02	ND	87.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.890	0.204	"	1.02	ND	87.2	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.701	0.102	"	1.02	ND	68.7	10-144				
2,3,4,6-Tetrachlorophenol	0.673	0.204	"	1.02	ND	66.0	30-130				
2,4,5-Trichlorophenol	0.810	0.102	"	1.02	ND	79.4	10-127				
2,4,6-Trichlorophenol	0.868	0.102	"	1.02	ND	85.1	10-132				
2,4-Dichlorophenol	0.975	0.102	"	1.02	ND	95.6	10-128				
2,4-Dimethylphenol	0.806	0.102	"	1.02	ND	79.0	10-137				
2,4-Dinitrophenol	ND	0.204	"	1.02	ND		10-171	Low Bias			
2,4-Dinitrotoluene	1.01	0.102	"	1.02	ND	98.7	16-135				
2,6-Dinitrotoluene	1.29	0.102	"	1.02	ND	126	18-131				
2-Chloronaphthalene	0.883	0.102	"	1.02	ND	86.6	10-129				
2-Chlorophenol	0.946	0.102	"	1.02	ND	92.7	15-116				
2-Methylnaphthalene	0.932	0.102	"	1.02	ND	91.4	10-147				
2-Methylphenol	0.894	0.102	"	1.02	ND	87.7	10-136				
2-Nitroaniline	0.927	0.204	"	1.02	ND	90.9	10-137				
2-Nitrophenol	0.940	0.102	"	1.02	ND	92.2	10-129				
3- & 4-Methylphenols	0.738	0.102	"	1.02	ND	72.3	10-123				
3,3-Dichlorobenzidine	0.846	0.102	"	1.02	ND	83.0	10-155				
3-Nitroaniline	0.871	0.204	"	1.02	ND	85.4	12-133				
4,6-Dinitro-2-methylphenol	0.153	0.204	"	1.02	ND	15.0	10-155				
4-Bromophenyl phenyl ether	0.879	0.102	"	1.02	ND	86.2	14-128				
4-Chloro-3-methylphenol	0.903	0.102	"	1.02	ND	88.5	10-134				
4-Chloroaniline	0.705	0.102	"	1.02	ND	69.1	10-145				
4-Chlorophenyl phenyl ether	0.915	0.102	"	1.02	ND	89.7	14-130				
4-Nitroaniline	0.837	0.204	"	1.02	ND	82.0	10-147				
4-Nitrophenol	ND	0.204	"	1.02	ND		10-137	Low Bias			
Acenaphthene	0.811	0.102	"	1.02	ND	79.5	10-146				
Acenaphthylene	0.836	0.102	"	1.02	ND	81.9	10-134				
Acetophenone	0.905	0.102	"	1.02	ND	88.7	10-116				
Aniline	0.750	0.409	"	1.02	ND	73.5	10-123				
Anthracene	0.826	0.102	"	1.02	ND	81.0	10-142				
Atrazine	0.868	0.102	"	1.02	ND	85.0	19-115				
Benzaldehyde	0.836	0.102	"	1.02	ND	81.9	10-125				
Benzo(a)anthracene	0.868	0.102	"	1.02	ND	85.1	10-158				
Benzo(a)pyrene	1.09	0.102	"	1.02	ND	107	10-180				
Benzo(b)fluoranthene	1.05	0.102	"	1.02	ND	103	10-200				
Benzo(g,h,i)perylene	1.00	0.102	"	1.02	ND	98.1	10-138				
Benzo(k)fluoranthene	0.991	0.102	"	1.02	ND	97.1	10-197				
Benzoic acid	0.128	0.102	"	1.02	ND	12.6	10-166				
Benzyl alcohol	0.828	0.102	"	1.02	ND	81.1	12-124				
Benzyl butyl phthalate	0.865	0.102	"	1.02	ND	84.8	10-154				
Bis(2-chloroethoxy)methane	0.680	0.102	"	1.02	ND	66.6	10-132				
Bis(2-chloroethyl)ether	0.803	0.102	"	1.02	ND	78.7	10-119				
Bis(2-chloroisopropyl)ether	0.733	0.102	"	1.02	ND	71.8	10-139				
Bis(2-ethylhexyl)phthalate	0.914	0.102	"	1.02	ND	89.6	10-167				
Caprolactam	0.801	0.204	"	1.02	ND	78.6	10-132				
Carbazole	0.726	0.102	"	1.02	ND	71.1	10-167				
Chrysene	0.839	0.102	"	1.02	ND	82.2	10-156				
Dibenzo(a,h)anthracene	1.14	0.102	"	1.02	ND	112	10-137				
Dibenzofuran	0.906	0.102	"	1.02	ND	88.8	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
Matrix Spike (BE20644-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared: 05/11/2022 Analyzed: 05/12/2022			
Diethyl phthalate	0.916	0.102	mg/kg dry	1.02	ND	89.8	20-120				
Dimethyl phthalate	0.894	0.102	"	1.02	ND	87.6	18-131				
Di-n-butyl phthalate	0.804	0.102	"	1.02	ND	78.8	10-137				
Di-n-octyl phthalate	0.988	0.102	"	1.02	ND	96.8	10-180				
Diphenylamine	0.886	0.204	"	1.02	ND	86.8	40-140				
Fluoranthene	0.744	0.102	"	1.02	ND	73.0	10-160				
Fluorene	0.868	0.102	"	1.02	ND	85.1	10-157				
Hexachlorobenzene	0.758	0.102	"	1.02	ND	74.3	10-137				
Hexachlorobutadiene	0.982	0.102	"	1.02	ND	96.2	10-132				
Hexachlorocyclopentadiene	0.0588	0.102	"	1.02	ND	5.76	10-106	Low Bias			
Hexachloroethane	0.907	0.102	"	1.02	ND	88.9	10-110				
Indeno(1,2,3-cd)pyrene	1.48	0.102	"	1.02	ND	145	10-144	High Bias			
Isophorone	0.822	0.102	"	1.02	ND	80.6	10-132				
Naphthalene	0.929	0.102	"	1.02	ND	91.0	10-141				
Nitrobenzene	0.791	0.102	"	1.02	ND	77.5	10-131				
N-Nitrosodimethylamine	4.00	0.102	"	1.02	ND	392	10-126	High Bias			
N-nitroso-di-n-propylamine	0.793	0.102	"	1.02	ND	77.8	10-125				
N-Nitrosodiphenylamine	0.866	0.102	"	1.02	ND	84.9	10-177				
Pentachlorophenol	0.311	0.102	"	1.02	ND	30.5	10-153				
Phenanthrene	0.766	0.102	"	1.02	ND	75.0	10-148				
Phenol	0.0555	0.102	"	1.02	ND	5.44	10-126	Low Bias			
Pyrene	0.837	0.102	"	1.02	ND	82.0	10-165				
Pyridine	3.19	0.409	"	1.02	ND	313	10-83	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.56*		"	*2.04*		*76.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.68*		"	*2.04*		*82.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.823*		"	*1.02*		*80.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.950*		"	*1.02*		*93.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.18*		"	*2.04*		*107*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.990*		"	*1.02*		*97.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
Matrix Spike Dup (BE20644-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/11/2022 Analyzed: 05/12/2022		
1,1-Biphenyl	0.761	0.102	mg/kg dry	1.02	ND	74.6	10-130		16.1	30	
1,2,4,5-Tetrachlorobenzene	0.721	0.204	"	1.02	ND	70.7	10-133		20.9	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.690	0.102	"	1.02	ND	67.6	10-144		1.64	30	
2,3,4,6-Tetrachlorophenol	0.610	0.204	"	1.02	ND	59.8	30-130		9.79	30	
2,4,5-Trichlorophenol	0.783	0.102	"	1.02	ND	76.8	10-127		3.28	30	
2,4,6-Trichlorophenol	0.841	0.102	"	1.02	ND	82.4	10-132		3.25	30	
2,4-Dichlorophenol	0.819	0.102	"	1.02	ND	80.2	10-128		17.5	30	
2,4-Dimethylphenol	0.679	0.102	"	1.02	ND	66.6	10-137		17.0	30	
2,4-Dinitrophenol	ND	0.204	"	1.02	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.848	0.102	"	1.02	ND	83.1	16-135		17.2	30	
2,6-Dinitrotoluene	1.07	0.102	"	1.02	ND	105	18-131		18.5	30	
2-Chloronaphthalene	0.735	0.102	"	1.02	ND	72.1	10-129		18.3	30	
2-Chlorophenol	0.767	0.102	"	1.02	ND	75.2	15-116		20.9	30	
2-Methylnaphthalene	0.762	0.102	"	1.02	ND	74.7	10-147		20.0	30	
2-Methylphenol	0.703	0.102	"	1.02	ND	68.9	10-136		24.0	30	
2-Nitroaniline	0.801	0.204	"	1.02	ND	78.5	10-137		14.6	30	
2-Nitrophenol	0.761	0.102	"	1.02	ND	74.6	10-129		21.1	30	
3- & 4-Methylphenols	0.629	0.102	"	1.02	ND	61.7	10-123		15.9	30	
3,3-Dichlorobenzidine	0.779	0.102	"	1.02	ND	76.3	10-155		8.34	30	
3-Nitroaniline	0.739	0.204	"	1.02	ND	72.5	12-133		16.3	30	
4,6-Dinitro-2-methylphenol	0.122	0.204	"	1.02	ND	12.0	10-155		22.0	30	
4-Bromophenyl phenyl ether	0.844	0.102	"	1.02	ND	82.7	14-128		4.07	30	
4-Chloro-3-methylphenol	0.758	0.102	"	1.02	ND	74.3	10-134		17.4	30	
4-Chloroaniline	0.575	0.102	"	1.02	ND	56.4	10-145		20.3	30	
4-Chlorophenyl phenyl ether	0.825	0.102	"	1.02	ND	80.9	14-130		10.3	30	
4-Nitroaniline	0.735	0.204	"	1.02	ND	72.0	10-147		13.0	30	
4-Nitrophenol	0.578	0.204	"	1.02	ND	56.6	10-137			30	
Acenaphthene	0.721	0.102	"	1.02	ND	70.6	10-146		11.8	30	
Acenaphthylene	0.758	0.102	"	1.02	ND	74.3	10-134		9.73	30	
Acetophenone	0.740	0.102	"	1.02	ND	72.6	10-116		20.0	30	
Aniline	0.640	0.409	"	1.02	ND	62.7	10-123		15.9	30	
Anthracene	0.737	0.102	"	1.02	ND	72.2	10-142		11.4	30	
Atrazine	0.805	0.102	"	1.02	ND	78.9	19-115		7.52	30	
Benzaldehyde	0.680	0.102	"	1.02	ND	66.6	10-125		20.6	30	
Benzo(a)anthracene	0.803	0.102	"	1.02	ND	78.7	10-158		7.81	30	
Benzo(a)pyrene	0.961	0.102	"	1.02	ND	94.2	10-180		12.3	30	
Benzo(b)fluoranthene	0.961	0.102	"	1.02	ND	94.2	10-200		8.61	30	
Benzo(g,h,i)perylene	0.973	0.102	"	1.02	ND	95.4	10-138		2.81	30	
Benzo(k)fluoranthene	0.914	0.102	"	1.02	ND	89.6	10-197		8.05	30	
Benzoic acid	0.0530	0.102	"	1.02	ND	5.20	10-166	Low Bias	82.9	30	Non-dir.
Benzyl alcohol	0.686	0.102	"	1.02	ND	67.2	12-124		18.8	30	
Benzyl butyl phthalate	0.730	0.102	"	1.02	ND	71.5	10-154		17.0	30	
Bis(2-chloroethoxy)methane	0.569	0.102	"	1.02	ND	55.8	10-132		17.8	30	
Bis(2-chloroethyl)ether	0.702	0.102	"	1.02	ND	68.8	10-119		13.4	30	
Bis(2-chloroisopropyl)ether	0.603	0.102	"	1.02	ND	59.1	10-139		19.4	30	
Bis(2-ethylhexyl)phthalate	0.810	0.102	"	1.02	ND	79.4	10-167		12.1	30	
Caprolactam	0.686	0.204	"	1.02	ND	67.2	10-132		15.6	30	
Carbazole	0.725	0.102	"	1.02	ND	71.0	10-167		0.113	30	
Chrysene	0.737	0.102	"	1.02	ND	72.2	10-156		12.9	30	
Dibenzo(a,h)anthracene	1.10	0.102	"	1.02	ND	108	10-137		3.06	30	
Dibenzofuran	0.782	0.102	"	1.02	ND	76.6	10-147		14.7	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20644 - EPA 3546 SVOA											
Matrix Spike Dup (BE20644-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/11/2022 Analyzed: 05/12/2022		
Diethyl phthalate	0.784	0.102	mg/kg dry	1.02	ND	76.9	20-120		15.5	30	
Dimethyl phthalate	0.790	0.102	"	1.02	ND	77.4	18-131		12.3	30	
Di-n-butyl phthalate	0.793	0.102	"	1.02	ND	77.8	10-137		1.33	30	
Di-n-octyl phthalate	0.884	0.102	"	1.02	ND	86.6	10-180		11.1	30	
Diphenylamine	0.902	0.204	"	1.02	ND	88.4	40-140		1.83	30	
Fluoranthene	0.739	0.102	"	1.02	ND	72.4	10-160		0.770	30	
Fluorene	0.754	0.102	"	1.02	ND	73.9	10-157		14.1	30	
Hexachlorobenzene	0.774	0.102	"	1.02	ND	75.8	10-137		2.02	30	
Hexachlorobutadiene	0.841	0.102	"	1.02	ND	82.5	10-132		15.4	30	
Hexachlorocyclopentadiene	ND	0.102	"	1.02	ND		10-106	Low Bias		30	
Hexachloroethane	0.782	0.102	"	1.02	ND	76.6	10-110		14.8	30	
Indeno(1,2,3-cd)pyrene	1.41	0.102	"	1.02	ND	138	10-144		4.81	30	
Isophorone	0.680	0.102	"	1.02	ND	66.6	10-132		18.9	30	
Naphthalene	0.767	0.102	"	1.02	ND	75.2	10-141		19.1	30	
Nitrobenzene	0.621	0.102	"	1.02	ND	60.9	10-131		24.0	30	
N-Nitrosodimethylamine	3.46	0.102	"	1.02	ND	340	10-126	High Bias	14.4	30	
N-nitroso-di-n-propylamine	0.673	0.102	"	1.02	ND	66.0	10-125		16.4	30	
N-Nitrosodiphenylamine	0.857	0.102	"	1.02	ND	84.0	10-177		1.04	30	
Pentachlorophenol	0.286	0.102	"	1.02	ND	28.1	10-153		8.20	30	
Phenanthrene	0.714	0.102	"	1.02	ND	70.0	10-148		6.95	30	
Phenol	ND	0.102	"	1.02	ND		10-126	Low Bias		30	
Pyrene	0.735	0.102	"	1.02	ND	72.0	10-165		13.0	30	
Pyridine	2.62	0.409	"	1.02	ND	257	10-83	High Bias	19.6	30	
Surrogate: SURR: 2-Fluorophenol	*1.43*		"	*2.04*		*70.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.31*		"	*2.04*		*64.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.692*		"	*1.02*		*67.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.757*		"	*1.02*		*74.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.21*		"	*2.04*		*108*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.900*		"	*1.02*		*88.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20674 - EPA 3550C											
Blank (BE20674-BLK1) Blank								Prepared & Analyzed: 05/12/2022			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*39-127.5*				
LCS (BE20674-BS1) LCS								Prepared & Analyzed: 05/12/2022			
1,4-Dioxane	495	19.8	ug/kg	495		100	40-130				
Surrogate: 1,4-Dioxane-d8	*228*		*"*	*495*		*46.0*	*39-127.5*				
Matrix Spike (BE20674-MS1) Matrix Spike *Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/12/2022			
1,4-Dioxane	514	19.8	ug/kg	495	ND	104	40-130				
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*40-130*				
Matrix Spike Dup (BE20674-M Matrix Spike Dup *Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/12/2022			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130		3.73	30	
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*40-130*				
Batch BE20845 - EPA 3535A											
Blank (BE20845-BLK1) Blank								Prepared & Analyzed: 05/16/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*4.00*		*"*	*4.00*		*100*	*36.6-118*				
LCS (BE20845-BS1) LCS								Prepared & Analyzed: 05/16/2022			
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
Surrogate: 1,4-Dioxane-d8	*3.52*		*"*	*4.00*		*88.0*	*36.6-118*				
Matrix Spike (BE20845-MS1) Matrix Spike *Source sample: 22E0631-02 (Matrix Spike)								Prepared & Analyzed: 05/16/2022			
1,4-Dioxane	4.18	0.300	ug/L	4.00	ND	104	50-130				
Surrogate: 1,4-Dioxane-d8	*3.52*		*"*	*4.00*		*88.0*	*50-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20845 - EPA 3535A											
Matrix Spike Dup (BE20845-M Matrix Spike Dup	*Source sample: 22E0631-02 (Matrix Spike Dup)								Prepared & Analyzed: 05/16/2022		
1,4-Dioxane	4.19	0.300	ug/L	4.00	ND	105	50-130		0.382	30	
Surrogate: 1,4-Dioxane-d8	*3.36*		*"*	*4.00*		*84.0*	*50-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BE20648-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/17/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.248	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.248	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.248	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.248	"								
Perfluorooctanoic acid (PFOA)	ND	0.248	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.248	"								
Perfluorononanoic acid (PFNA)	ND	0.248	"								
Perfluorodecanoic acid (PFDA)	ND	0.248	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.248	"								
Perfluorododecanoic acid (PFDoA)	ND	0.248	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.248	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.248	"								
N-MeFOSAA	ND	0.248	"								
N-EtFOSAA	ND	0.248	"								
Perfluoropentanoic acid (PFPeA)	ND	0.248	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.248	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.248	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.248	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.248	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.248	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.248	"								
Surrogate: M3PFBS	*4.07*		"	*4.60*		*88.4*	*25-150*				
Surrogate: M5PFHxA	*4.92*		"	*4.95*		*99.4*	*25-150*				
Surrogate: M4PFHpA	*5.00*		"	*4.95*		*101*	*25-150*				
Surrogate: M3PFHxS	*4.44*		"	*4.68*		*94.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.85*		"	*4.95*		*97.9*	*25-150*				
Surrogate: M6PFDA	*3.78*		"	*4.95*		*76.4*	*25-150*				
Surrogate: M7PFUdA	*3.30*		"	*4.95*		*66.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.41*		"	*4.95*		*68.9*	*25-150*				
Surrogate: M2PFTeDA	*2.07*		"	*4.95*		*41.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.91*		"	*4.95*		*99.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.22*		"	*4.74*		*89.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.55*		"	*4.95*		*91.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.99*		"	*4.95*		*60.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.55*		"	*4.95*		*71.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.00*		"	*4.95*		*80.8*	*25-150*				
Surrogate: M2-6:2 FTS	*3.20*		"	*4.70*		*68.0*	*25-200*				
Surrogate: M2-8:2 FTS	*7.04*		"	*4.74*		*148*	*25-200*				
Surrogate: M9PFNA	*4.79*		"	*4.95*		*96.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BE20648-BS1) LCS									Prepared: 05/11/2022 Analyzed: 05/17/2022		
Perfluorobutanesulfonic acid (PFBS)	4.59	0.227	ug/kg wet	4.02		114	50-130				
Perfluorohexanoic acid (PFHxA)	4.37	0.227	"	4.55		96.1	50-130				
Perfluoroheptanoic acid (PFHpA)	4.00	0.227	"	4.55		88.0	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.23	0.227	"	4.14		126	50-130				
Perfluorooctanoic acid (PFOA)	4.64	0.227	"	4.55		102	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.14	0.227	"	4.21		122	50-130				
Perfluorononanoic acid (PFNA)	4.37	0.227	"	4.55		96.1	50-130				
Perfluorodecanoic acid (PFDA)	4.49	0.227	"	4.55		98.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.61	0.227	"	4.55		101	50-130				
Perfluorododecanoic acid (PFDoA)	4.56	0.227	"	4.55		100	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.40	0.227	"	4.55		96.9	50-130				
Perfluorotetradecanoic acid (PFTA)	5.20	0.227	"	4.55		114	50-130				
N-MeFOSAA	5.34	0.227	"	4.55		117	50-130				
N-EtFOSAA	4.31	0.227	"	4.55		94.7	50-130				
Perfluoropentanoic acid (PFPeA)	4.64	0.227	"	4.55		102	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.96	0.227	"	4.55		109	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.89	0.227	"	4.34		113	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.72	0.227	"	4.39		84.7	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.86	0.227	"	4.32		113	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.60	0.227	"	4.37		82.6	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.67	0.227	"	4.55		103	50-130				
Surrogate: M3PFBS	*3.94*		*"*	*4.23*		*93.2*	*25-150*				
Surrogate: M5PFHxA	*4.85*		*"*	*4.55*		*107*	*25-150*				
Surrogate: M4PFHpA	*5.27*		*"*	*4.55*		*116*	*25-150*				
Surrogate: M3PFHxS	*4.26*		*"*	*4.30*		*99.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.77*		*"*	*4.55*		*105*	*25-150*				
Surrogate: M6PFDA	*3.86*		*"*	*4.55*		*84.9*	*25-150*				
Surrogate: M7PFUdA	*3.11*		*"*	*4.55*		*68.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.17*		*"*	*4.55*		*69.8*	*25-150*				
Surrogate: M2PFTeDA	*2.34*		*"*	*4.55*		*51.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.87*		*"*	*4.55*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.49*		*"*	*4.35*		*80.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.48*		*"*	*4.55*		*98.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.01*		*"*	*4.55*		*66.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.22*		*"*	*4.55*		*70.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.34*		*"*	*4.55*		*73.5*	*25-150*				
Surrogate: M2-6:2 FTS	*3.44*		*"*	*4.32*		*79.6*	*25-200*				
Surrogate: M2-8:2 FTS	*7.10*		*"*	*4.36*		*163*	*25-200*				
Surrogate: M9PFNA	*4.41*		*"*	*4.55*		*97.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BE20648-MS1) Matrix Spike *Source sample: 22E0361-08 (Matrix Spike) Prepared: 05/11/2022 Analyzed: 05/17/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.84	0.274	ug/kg dry	4.84	ND	100	25-150				
Perfluorohexanoic acid (PFHxA)	5.45	0.274	"	5.47	ND	99.7	25-150				
Perfluoroheptanoic acid (PFHpA)	4.79	0.274	"	5.47	ND	87.6	25-150				
Perfluorohexanesulfonic acid (PFHxS)	7.36	0.274	"	4.98	ND	148	25-150				
Perfluorooctanoic acid (PFOA)	4.90	0.274	"	5.47	ND	89.6	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.56	0.274	"	5.06	0.692	96.2	25-150				
Perfluorononanoic acid (PFNA)	5.14	0.274	"	5.47	ND	94.0	25-150				
Perfluorodecanoic acid (PFDA)	5.24	0.274	"	5.47	ND	95.8	25-150				
Perfluoroundecanoic acid (PFUnA)	5.10	0.274	"	5.47	ND	93.2	25-150				
Perfluorododecanoic acid (PFDoA)	4.88	0.274	"	5.47	ND	89.2	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.23	0.274	"	5.47	ND	77.3	25-150				
Perfluorotetradecanoic acid (PFTA)	6.15	0.274	"	5.47	ND	112	25-150				
N-MeFOSAA	4.81	0.274	"	5.47	ND	87.8	25-150				
N-EtFOSAA	4.83	0.274	"	5.47	ND	88.3	25-150				
Perfluoropentanoic acid (PFPeA)	5.29	0.274	"	5.47	ND	96.7	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.28	0.274	"	5.47	ND	96.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.92	0.274	"	5.22	ND	94.3	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.43	0.274	"	5.28	ND	65.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.73	0.274	"	5.20	ND	91.0	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.62	0.274	"	5.25	ND	107	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.67	0.274	"	5.47	ND	104	25-150				
Surrogate: M3PFBS	*5.27*		*"*	*5.08*		*104*	*25-150*				
Surrogate: M5PFHxA	*5.26*		*"*	*5.47*		*96.2*	*25-150*				
Surrogate: M4PFHpA	*5.48*		*"*	*5.47*		*100*	*25-150*				
Surrogate: M3PFHxS	*4.71*		*"*	*5.18*		*91.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.48*		*"*	*5.47*		*100*	*25-150*				
Surrogate: M6PFDA	*4.48*		*"*	*5.47*		*81.9*	*25-150*				
Surrogate: M7PFUdA	*4.08*		*"*	*5.47*		*74.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.04*		*"*	*5.47*		*73.9*	*25-150*				
Surrogate: M2PFTeDA	*3.20*		*"*	*5.47*		*58.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.71*		*"*	*5.47*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.46*		*"*	*5.24*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.27*		*"*	*5.47*		*96.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.79*		*"*	*5.47*		*69.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.40*		*"*	*5.47*		*98.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.03*		*"*	*5.47*		*91.9*	*25-150*				
Surrogate: M2-6:2 FTS	*10.9*		*"*	*5.19*		*210*	*25-200*				
Surrogate: M2-8:2 FTS	*11.7*		*"*	*5.24*		*224*	*25-200*				
Surrogate: M9PFNA	*5.15*		*"*	*5.47*		*94.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BE20648-MS2) Matrix Spike *Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/11/2022 Analyzed: 05/17/2022			
Perfluorobutanesulfonic acid (PFBS)	5.70	0.303	ug/kg dry	5.36	ND	106	25-150				
Perfluorohexanoic acid (PFHxA)	5.37	0.303	"	6.05	ND	88.8	25-150				
Perfluoroheptanoic acid (PFHpA)	5.39	0.303	"	6.05	ND	89.1	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.74	0.303	"	5.51	ND	122	25-150				
Perfluorooctanoic acid (PFOA)	6.10	0.303	"	6.05	ND	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.93	0.303	"	5.60	ND	88.1	25-150				
Perfluorononanoic acid (PFNA)	5.64	0.303	"	6.05	ND	93.1	25-150				
Perfluorodecanoic acid (PFDA)	5.24	0.303	"	6.05	ND	86.5	25-150				
Perfluoroundecanoic acid (PFUnA)	5.83	0.303	"	6.05	ND	96.4	25-150				
Perfluorododecanoic acid (PFDoA)	5.56	0.303	"	6.05	ND	91.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.39	0.303	"	6.05	ND	72.6	25-150				
Perfluorotetradecanoic acid (PFTA)	6.69	0.303	"	6.05	ND	111	25-150				
N-MeFOSAA	4.90	0.303	"	6.05	ND	81.0	25-150				
N-EtFOSAA	5.86	0.303	"	6.05	ND	96.9	25-150				
Perfluoropentanoic acid (PFPeA)	5.98	0.303	"	6.05	ND	98.8	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.26	0.303	"	6.05	ND	103	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.65	0.303	"	5.78	ND	97.7	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.97	0.303	"	5.84	ND	67.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.26	0.303	"	5.75	ND	109	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.16	0.303	"	5.81	ND	88.8	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.83	0.303	"	6.05	ND	96.4	25-150				
Surrogate: M3PFBS	*5.22*		*"*	*5.62*		*92.9*	*25-150*				
Surrogate: M5PFHxA	*6.45*		*"*	*6.05*		*107*	*25-150*				
Surrogate: M4PFHpA	*6.56*		*"*	*6.05*		*108*	*25-150*				
Surrogate: M3PFHxS	*5.71*		*"*	*5.72*		*99.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*6.27*		*"*	*6.05*		*104*	*25-150*				
Surrogate: M6PFDA	*6.11*		*"*	*6.05*		*101*	*25-150*				
Surrogate: M7PFUdA	*4.24*		*"*	*6.05*		*70.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.91*		*"*	*6.05*		*64.6*	*25-150*				
Surrogate: M2PFTeDA	*2.69*		*"*	*6.05*		*44.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.45*		*"*	*6.05*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.58*		*"*	*5.79*		*96.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.93*		*"*	*6.05*		*98.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.23*		*"*	*6.05*		*69.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.42*		*"*	*6.05*		*89.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.18*		*"*	*6.05*		*69.1*	*25-150*				
Surrogate: M2-6:2 FTS	*4.50*		*"*	*5.74*		*78.3*	*25-200*				
Surrogate: M2-8:2 FTS	*8.97*		*"*	*5.80*		*155*	*25-200*				
Surrogate: M9PFNA	*6.12*		*"*	*6.05*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BE20648-M Matrix Spike Dup	*Source sample: 22E0361-08 (Matrix Spike Dup)								Prepared: 05/11/2022 Analyzed: 05/17/2022		
Perfluorobutanesulfonic acid (PFBS)	5.32	0.280	ug/kg dry	4.95	ND	107	25-150		9.41	35	
Perfluorohexanoic acid (PFHxA)	5.21	0.280	"	5.59	ND	93.2	25-150		4.57	35	
Perfluoroheptanoic acid (PFHpA)	5.08	0.280	"	5.59	ND	90.9	25-150		5.90	35	
Perfluorohexanesulfonic acid (PFHxS)	7.02	0.280	"	5.09	ND	138	25-150		4.69	35	
Perfluorooctanoic acid (PFOA)	5.41	0.280	"	5.59	ND	96.8	25-150		9.90	35	
Perfluorooctanesulfonic acid (PFOS)	5.34	0.280	"	5.17	0.692	89.8	25-150		4.07	35	
Perfluorononanoic acid (PFNA)	4.81	0.280	"	5.59	ND	86.0	25-150		6.75	35	
Perfluorodecanoic acid (PFDA)	5.72	0.280	"	5.59	ND	102	25-150		8.64	35	
Perfluoroundecanoic acid (PFUnA)	5.11	0.280	"	5.59	ND	91.4	25-150		0.193	35	
Perfluorododecanoic acid (PFDoA)	5.09	0.280	"	5.59	ND	91.0	25-150		4.13	35	
Perfluorotridecanoic acid (PFTrDA)	3.83	0.280	"	5.59	ND	68.4	25-150		10.0	35	
Perfluorotetradecanoic acid (PFTA)	6.10	0.280	"	5.59	ND	109	25-150		0.865	35	
N-MeFOSAA	5.70	0.280	"	5.59	ND	102	25-150		17.0	35	
N-EtFOSAA	5.02	0.280	"	5.59	ND	89.7	25-150		3.75	35	
Perfluoropentanoic acid (PFPeA)	5.27	0.280	"	5.59	ND	94.2	25-150		0.398	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.40	0.280	"	5.59	ND	96.5	25-150		2.16	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.73	0.280	"	5.34	ND	88.6	25-150		3.99	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.55	0.280	"	5.40	ND	65.7	25-150		3.25	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.88	0.280	"	5.31	ND	111	25-200		21.6	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.96	0.280	"	5.37	ND	92.4	25-200		12.6	35	
Perfluoro-n-butanoic acid (PFBA)	5.69	0.280	"	5.59	ND	102	25-150		0.298	35	
Surrogate: M3PFBS	*5.07*		*"*	*5.19*		*97.7*	*25-150*				
Surrogate: M5PFHxA	*5.57*		*"*	*5.59*		*99.6*	*25-150*				
Surrogate: M4PFHpA	*5.69*		*"*	*5.59*		*102*	*25-150*				
Surrogate: M3PFHxS	*5.04*		*"*	*5.29*		*95.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.65*		*"*	*5.59*		*101*	*25-150*				
Surrogate: M6PFDA	*4.04*		*"*	*5.59*		*72.3*	*25-150*				
Surrogate: M7PFUdA	*3.70*		*"*	*5.59*		*66.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.83*		*"*	*5.59*		*68.5*	*25-150*				
Surrogate: M2PFTeDA	*3.61*		*"*	*5.59*		*64.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.72*		*"*	*5.59*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.85*		*"*	*5.35*		*109*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.29*		*"*	*5.59*		*94.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.87*		*"*	*5.59*		*69.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.38*		*"*	*5.59*		*78.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.74*		*"*	*5.59*		*84.7*	*25-150*				
Surrogate: M2-6:2 FTS	*8.39*		*"*	*5.31*		*158*	*25-200*				
Surrogate: M2-8:2 FTS	*14.1*		*"*	*5.36*		*264*	*25-200*				
Surrogate: M9PFNA	*5.40*		*"*	*5.59*		*96.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20648 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BE20648-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/11/2022 Analyzed: 05/17/2022		
Perfluorobutanesulfonic acid (PFBS)	6.05	0.300	ug/kg dry	5.31	ND	114	25-150		5.99	35	
Perfluorohexanoic acid (PFHxA)	5.90	0.300	"	6.00	ND	98.4	25-150		9.39	35	
Perfluoroheptanoic acid (PFHpA)	5.12	0.300	"	6.00	ND	85.3	25-150		5.21	35	
Perfluorohexanesulfonic acid (PFHxS)	7.28	0.300	"	5.46	ND	133	25-150		7.69	35	
Perfluorooctanoic acid (PFOA)	6.41	0.300	"	6.00	ND	107	25-150		5.03	35	
Perfluorooctanesulfonic acid (PFOS)	5.40	0.300	"	5.55	ND	97.3	25-150		9.04	35	
Perfluorononanoic acid (PFNA)	5.68	0.300	"	6.00	ND	94.7	25-150		0.810	35	
Perfluorodecanoic acid (PFDA)	5.64	0.300	"	6.00	ND	94.0	25-150		7.33	35	
Perfluoroundecanoic acid (PFUnA)	6.01	0.300	"	6.00	ND	100	25-150		3.02	35	
Perfluorododecanoic acid (PFDoA)	5.98	0.300	"	6.00	ND	99.7	25-150		7.31	35	
Perfluorotridecanoic acid (PFTrDA)	3.80	0.300	"	6.00	ND	63.3	25-150		14.6	35	
Perfluorotetradecanoic acid (PFTA)	6.98	0.300	"	6.00	ND	116	25-150		4.34	35	
N-MeFOSAA	5.85	0.300	"	6.00	ND	97.5	25-150		17.5	35	
N-EtFOSAA	5.26	0.300	"	6.00	ND	87.7	25-150		10.9	35	
Perfluoropentanoic acid (PFPeA)	5.85	0.300	"	6.00	ND	97.6	25-150		2.15	35	
Perfluoro-1-octanesulfonamide (FOSA)	6.41	0.300	"	6.00	ND	107	25-150		2.32	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.45	0.300	"	5.73	ND	95.2	25-150		3.56	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.17	0.300	"	5.79	ND	72.1	25-150		4.98	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.29	0.300	"	5.70	ND	110	25-200		0.402	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.15	0.300	"	5.76	ND	89.5	25-200		0.174	35	
Perfluoro-n-butanoic acid (PFBA)	6.00	0.300	"	6.00	ND	100	25-150		2.90	35	
Surrogate: M3PFBS	*5.07*		*"*	*5.57*		*91.0*	*25-150*				
Surrogate: M5PFHxA	*6.11*		*"*	*6.00*		*102*	*25-150*				
Surrogate: M4PFHpA	*6.86*		*"*	*6.00*		*114*	*25-150*				
Surrogate: M3PFHxS	*5.86*		*"*	*5.67*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*6.18*		*"*	*6.00*		*103*	*25-150*				
Surrogate: M6PFDA	*5.53*		*"*	*6.00*		*92.2*	*25-150*				
Surrogate: M7PFUdA	*4.47*		*"*	*6.00*		*74.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.70*		*"*	*6.00*		*61.6*	*25-150*				
Surrogate: M2PFTeDA	*2.88*		*"*	*6.00*		*48.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*6.37*		*"*	*6.00*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*6.09*		*"*	*5.74*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.87*		*"*	*6.00*		*97.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.77*		*"*	*6.00*		*62.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.75*		*"*	*6.00*		*79.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.49*		*"*	*6.00*		*74.8*	*25-150*				
Surrogate: M2-6:2 FTS	*4.19*		*"*	*5.69*		*73.6*	*25-200*				
Surrogate: M2-8:2 FTS	*9.20*		*"*	*5.74*		*160*	*25-200*				
Surrogate: M9PFNA	*5.98*		*"*	*6.00*		*99.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20771 - SPE Ext-PFAS-EPA 537.1M											
Blank (BE20771-BLK1) Blank									Prepared: 05/13/2022 Analyzed: 05/16/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*84.9*		"	*74.3*		*114*	*25-150*				
Surrogate: M5PFHxA	*91.4*		"	*80.0*		*114*	*25-150*				
Surrogate: M4PFHpA	*95.6*		"	*80.0*		*119*	*25-150*				
Surrogate: M3PFHxS	*86.7*		"	*75.7*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*92.4*		"	*80.0*		*116*	*25-150*				
Surrogate: M6PFDA	*90.9*		"	*80.0*		*114*	*25-150*				
Surrogate: M7PFUdA	*88.5*		"	*80.0*		*111*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.4*		"	*80.0*		*104*	*25-150*				
Surrogate: M2PFTeDA	*62.4*		"	*80.0*		*78.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*93.0*		"	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.3*		"	*76.6*		*122*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*86.9*		"	*80.0*		*109*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*51.9*		"	*80.0*		*64.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*79.1*		"	*80.0*		*98.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*78.2*		"	*80.0*		*97.8*	*25-150*				
Surrogate: M2-6:2 FTS	*68.0*		"	*75.9*		*89.5*	*25-200*				
Surrogate: M2-8:2 FTS	*106*		"	*76.6*		*138*	*25-200*				
Surrogate: M9PFNA	*89.5*		"	*80.0*		*112*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20771 - SPE Ext-PFAS-EPA 537.1M											
LCS (BE20771-BS1) LCS								Prepared: 05/13/2022 Analyzed: 05/16/2022			
Perfluorobutanesulfonic acid (PFBS)	80.3	2.00	ng/L	70.8		113	50-130				
Perfluorohexanoic acid (PFHxA)	81.8	2.00	"	80.0		102	50-130				
Perfluoroheptanoic acid (PFHpA)	76.2	2.00	"	80.0		95.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	98.2	2.00	"	72.8		135	50-130	High Bias			
Perfluorooctanoic acid (PFOA)	78.9	2.00	"	80.0		98.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	88.6	2.00	"	74.0		120	50-130				
Perfluorononanoic acid (PFNA)	80.5	2.00	"	80.0		101	50-130				
Perfluorodecanoic acid (PFDA)	81.0	2.00	"	80.0		101	50-130				
Perfluoroundecanoic acid (PFUnA)	80.9	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	83.5	2.00	"	80.0		104	50-130				
Perfluorotridecanoic acid (PFTrDA)	72.1	2.00	"	80.0		90.2	50-130				
Perfluorotetradecanoic acid (PFTA)	98.6	2.00	"	80.0		123	50-130				
N-MeFOSAA	85.3	2.00	"	80.0		107	50-130				
N-EtFOSAA	80.1	2.00	"	80.0		100	50-130				
Perfluoropentanoic acid (PFPeA)	85.1	2.00	"	80.0		106	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	79.7	2.00	"	80.0		99.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	85.4	2.00	"	76.4		112	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	79.4	2.00	"	77.2		103	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	81.4	5.00	"	76.0		107	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.6	2.00	"	76.8		93.3	50-175				
Perfluoro-n-butanoic acid (PFBA)	84.6	2.00	"	80.0		106	50-130				
Surrogate: M3PFBS	*74.8*		*"*	*74.3*		*101*	*25-150*				
Surrogate: M5PFHxA	*86.6*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M4PFHpA	*91.2*		*"*	*80.0*		*114*	*25-150*				
Surrogate: M3PFHxS	*79.2*		*"*	*75.7*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.1*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M6PFDA	*83.5*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*80.6*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.5*		*"*	*80.0*		*96.9*	*25-150*				
Surrogate: M2PFTeDA	*61.6*		*"*	*80.0*		*77.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*91.8*		*"*	*80.0*		*115*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*85.8*		*"*	*76.6*		*112*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*83.2*		*"*	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*65.7*		*"*	*80.0*		*82.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*73.7*		*"*	*80.0*		*92.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.1*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: M2-6:2 FTS	*68.7*		*"*	*75.9*		*90.5*	*25-200*				
Surrogate: M2-8:2 FTS	*97.4*		*"*	*76.6*		*127*	*25-200*				
Surrogate: M9PFNA	*84.4*		*"*	*80.0*		*106*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20771 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BE20771-BSD1) LCS Dup								Prepared: 05/13/2022 Analyzed: 05/16/2022			
Perfluorobutanesulfonic acid (PFBS)	78.1	2.00	ng/L	70.8		110	50-130		2.73	30	
Perfluorohexanoic acid (PFHxA)	80.8	2.00	"	80.0		101	50-130		1.20	30	
Perfluoroheptanoic acid (PFHpA)	68.6	2.00	"	80.0		85.8	50-130		10.4	30	
Perfluorohexanesulfonic acid (PFHxS)	91.0	2.00	"	72.8		125	50-130		7.57	30	
Perfluorooctanoic acid (PFOA)	81.6	2.00	"	80.0		102	50-130		3.25	30	
Perfluorooctanesulfonic acid (PFOS)	66.4	2.00	"	74.0		89.7	50-130		28.6	30	
Perfluorononanoic acid (PFNA)	86.7	2.00	"	80.0		108	50-130		7.45	30	
Perfluorodecanoic acid (PFDA)	84.2	2.00	"	80.0		105	50-130		3.83	30	
Perfluoroundecanoic acid (PFUnA)	76.4	2.00	"	80.0		95.5	50-130		5.75	30	
Perfluorododecanoic acid (PFDoA)	83.9	2.00	"	80.0		105	50-130		0.534	30	
Perfluorotridecanoic acid (PFTrDA)	64.4	2.00	"	80.0		80.5	50-130		11.4	30	
Perfluorotetradecanoic acid (PFTA)	92.7	2.00	"	80.0		116	50-130		6.18	30	
N-MeFOSAA	75.6	2.00	"	80.0		94.5	50-130		12.0	30	
N-EtFOSAA	84.1	2.00	"	80.0		105	50-130		4.80	30	
Perfluoropentanoic acid (PFPeA)	83.4	2.00	"	80.0		104	50-130		2.06	30	
Perfluoro-1-octanesulfonamide (FOSA)	78.5	2.00	"	80.0		98.1	50-130		1.50	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	66.0	2.00	"	76.4		86.3	50-130		25.7	30	
Perfluoro-1-decanesulfonic acid (PFDS)	61.4	2.00	"	77.2		79.5	50-130		25.5	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	95.8	5.00	"	76.0		126	50-175		16.2	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	83.6	2.00	"	76.8		109	50-175		15.5	30	
Perfluoro-n-butanoic acid (PFBA)	82.9	2.00	"	80.0		104	50-130		2.06	30	
Surrogate: M3PFBS	*76.9*		*"*	*74.3*		*103*	*25-150*				
Surrogate: M5PFHxA	*85.8*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M4PFHpA	*99.3*		*"*	*80.0*		*124*	*25-150*				
Surrogate: M3PFHxS	*84.3*		*"*	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.9*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M6PFDA	*82.3*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M7PFUdA	*83.7*		*"*	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.4*		*"*	*80.0*		*99.3*	*25-150*				
Surrogate: M2PFTeDA	*66.1*		*"*	*80.0*		*82.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*92.6*		*"*	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*104*		*"*	*76.6*		*136*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*84.3*		*"*	*80.0*		*105*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*68.2*		*"*	*80.0*		*85.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.9*		*"*	*80.0*		*105*	*25-150*				
Surrogate: d5-N-EtFOSAA	*77.1*		*"*	*80.0*		*96.4*	*25-150*				
Surrogate: M2-6:2 FTS	*64.7*		*"*	*75.9*		*85.2*	*25-200*				
Surrogate: M2-8:2 FTS	*87.2*		*"*	*76.6*		*114*	*25-200*				
Surrogate: M9PFNA	*80.9*		*"*	*80.0*		*101*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20642 - EPA 3550C											
Blank (BE20642-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/13/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0466*		*"*	*0.0664*		*70.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0496*		*"*	*0.0664*		*74.7*	*30-150*				
LCS (BE20642-BS1) LCS									Prepared: 05/11/2022 Analyzed: 05/13/2022		
4,4'-DDD	0.0259	0.00164	mg/kg wet	0.0332		78.0	40-140				
4,4'-DDE	0.0229	0.00164	"	0.0332		68.9	40-140				
4,4'-DDT	0.0135	0.00164	"	0.0332		40.6	40-140				
Aldrin	0.0283	0.00164	"	0.0332		85.1	40-140				
alpha-BHC	0.0276	0.00164	"	0.0332		83.0	40-140				
alpha-Chlordane	0.0285	0.00164	"	0.0332		85.9	40-140				
beta-BHC	0.0243	0.00164	"	0.0332		73.2	40-140				
delta-BHC	0.0243	0.00164	"	0.0332		73.0	40-140				
Dieldrin	0.0278	0.00164	"	0.0332		83.8	40-140				
Endosulfan I	0.0317	0.00164	"	0.0332		95.4	40-140				
Endosulfan II	0.0292	0.00164	"	0.0332		87.8	40-140				
Endosulfan sulfate	0.0269	0.00164	"	0.0332		81.0	40-140				
Endrin	0.0204	0.00164	"	0.0332		61.3	40-140				
Endrin aldehyde	0.0249	0.00164	"	0.0332		75.0	40-140				
Endrin ketone	0.0302	0.00164	"	0.0332		91.0	40-140				
gamma-BHC (Lindane)	0.0265	0.00164	"	0.0332		79.7	40-140				
gamma-Chlordane	0.0277	0.00164	"	0.0332		83.3	40-140				
Heptachlor	0.0242	0.00164	"	0.0332		73.0	40-140				
Heptachlor epoxide	0.0290	0.00164	"	0.0332		87.4	40-140				
Methoxychlor	0.0141	0.00164	"	0.0332		42.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0543*		*"*	*0.0664*		*81.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0542*		*"*	*0.0664*		*81.6*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20672 - EPA SW846-3510C Low Level											
Blank (BE20672-BLK1) Blank								Prepared: 05/12/2022 Analyzed: 05/13/2022			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Tetrachloro-m-xylene	*0.155*		*"*	*0.200*		*77.6*	*30-150*				
LCS (BE20672-BS1) LCS								Prepared: 05/12/2022 Analyzed: 05/13/2022			
4,4'-DDD	0.128	0.00400	ug/L	0.100		128	40-140				
4,4'-DDE	0.125	0.00400	"	0.100		125	40-140				
4,4'-DDT	0.127	0.00400	"	0.100		127	40-140				
Aldrin	0.0952	0.00400	"	0.100		95.2	40-140				
alpha-BHC	0.104	0.00400	"	0.100		104	40-140				
alpha-Chlordane	0.109	0.00400	"	0.100		109	40-140				
beta-BHC	0.107	0.00400	"	0.100		107	40-140				
delta-BHC	0.116	0.00400	"	0.100		116	40-140				
Dieldrin	0.111	0.00200	"	0.100		111	40-140				
Endosulfan I	0.0992	0.00400	"	0.100		99.2	40-140				
Endosulfan II	0.118	0.00400	"	0.100		118	40-140				
Endosulfan sulfate	0.115	0.00400	"	0.100		115	40-140				
Endrin	0.116	0.00400	"	0.100		116	40-140				
Endrin aldehyde	0.128	0.0100	"	0.100		128	40-140				
Endrin ketone	0.122	0.0100	"	0.100		122	40-140				
gamma-BHC (Lindane)	0.109	0.00400	"	0.100		109	40-140				
gamma-Chlordane	0.107	0.0100	"	0.100		107	40-140				
Heptachlor	0.110	0.00400	"	0.100		110	40-140				
Heptachlor epoxide	0.106	0.00400	"	0.100		106	40-140				
Methoxychlor	0.154	0.00400	"	0.100		154	40-140	High Bias			
Surrogate: Tetrachloro-m-xylene	*0.157*		*"*	*0.200*		*78.5*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20672 - EPA SW846-3510C Low Level											
LCS Dup (BE20672-BSD1) LCS Dup									Prepared: 05/12/2022 Analyzed: 05/13/2022		
4,4'-DDD	0.116	0.00400	ug/L	0.100		116	40-140		10.5	20	
4,4'-DDE	0.114	0.00400	"	0.100		114	40-140		9.56	20	
4,4'-DDT	0.134	0.00400	"	0.100		134	40-140		4.81	20	
Aldrin	0.0859	0.00400	"	0.100		85.9	40-140		10.3	20	
alpha-BHC	0.0908	0.00400	"	0.100		90.8	40-140		13.7	20	
alpha-Chlordane	0.0952	0.00400	"	0.100		95.2	40-140		13.7	20	
beta-BHC	0.0986	0.00400	"	0.100		98.6	40-140		7.76	20	
delta-BHC	0.107	0.00400	"	0.100		107	40-140		8.24	20	
Dieldrin	0.100	0.00200	"	0.100		100	40-140		10.9	20	
Endosulfan I	0.0871	0.00400	"	0.100		87.1	40-140		13.0	20	
Endosulfan II	0.107	0.00400	"	0.100		107	40-140		9.78	20	
Endosulfan sulfate	0.109	0.00400	"	0.100		109	40-140		4.71	20	
Endrin	0.108	0.00400	"	0.100		108	40-140		7.05	20	
Endrin aldehyde	0.117	0.0100	"	0.100		117	40-140		8.88	20	
Endrin ketone	0.113	0.0100	"	0.100		113	40-140		7.31	20	
gamma-BHC (Lindane)	0.0994	0.00400	"	0.100		99.4	40-140		9.00	20	
gamma-Chlordane	0.0910	0.0100	"	0.100		91.0	40-140		16.1	20	
Heptachlor	0.102	0.00400	"	0.100		102	40-140		7.69	20	
Heptachlor epoxide	0.0964	0.00400	"	0.100		96.4	40-140		9.51	20	
Methoxychlor	0.165	0.00400	"	0.100		165	40-140	High Bias	6.77	20	
Surrogate: Tetrachloro-m-xylene	*0.142*		*"*	*0.200*		*71.2*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20642 - EPA 3550C											
Blank (BE20642-BLK2) Blank									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0535*		*"*	*0.0664*		*80.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0555*		*"*	*0.0664*		*83.5*	*30-150*				
LCS (BE20642-BS2) LCS									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aroclor 1016	0.367	0.0166	mg/kg wet	0.332		110	40-140			30	
Aroclor 1260	0.346	0.0166	"	0.332		104	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0595*		*"*	*0.0664*		*89.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0628*		*"*	*0.0664*		*94.5*	*30-150*				
Matrix Spike (BE20642-MS2) Matrix Spike *Source sample: 22E0428-01 (EP01_-5.5)									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aroclor 1016	0.398	0.0204	mg/kg dry	0.408	ND	97.5	40-140			30	
Aroclor 1260	0.433	0.0204	"	0.408	ND	106	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0730*		*"*	*0.0816*		*89.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0751*		*"*	*0.0816*		*92.0*	*30-150*				
Matrix Spike Dup (BE20642-M Matrix Spike Dup *Source sample: 22E0428-01 (EP01_-5.5)									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aroclor 1016	0.398	0.0204	mg/kg dry	0.408	ND	97.5	40-140		0.0615	30	
Aroclor 1260	0.425	0.0204	"	0.408	ND	104	40-140		1.87	30	
Surrogate: Tetrachloro-m-xylene	*0.0669*		*"*	*0.0816*		*82.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0710*		*"*	*0.0816*		*87.0*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20672 - EPA SW846-3510C Low Level											
Blank (BE20672-BLK2) Blank								Prepared & Analyzed: 05/12/2022			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.172*		*"*	*0.200*		*86.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.171*		*"*	*0.200*		*85.5*	*30-120*				
LCS (BE20672-BS2) LCS								Prepared & Analyzed: 05/12/2022			
Aroclor 1016	1.09	0.0500	ug/L	1.00		109	40-120				
Aroclor 1260	1.00	0.0500	"	1.00		100	40-120				
Surrogate: Tetrachloro-m-xylene	*0.167*		*"*	*0.200*		*83.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.128*		*"*	*0.200*		*64.0*	*30-120*				
LCS Dup (BE20672-BSD2) LCS Dup								Prepared & Analyzed: 05/12/2022			
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120		3.61	30	
Aroclor 1260	0.952	0.0500	"	1.00		95.2	40-120		5.40	30	
Surrogate: Tetrachloro-m-xylene	*0.166*		*"*	*0.200*		*83.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		*"*	*0.200*		*62.5*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20607 - EPA 8151A											
Blank (BE20607-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/12/2022		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*105*		*"*	*125*		*84.2*	*30-150*				
LCS (BE20607-BS1) LCS									Prepared: 05/11/2022 Analyzed: 05/12/2022		
2,4,5-T	27.8	5.00	ug/L	40.0		69.4	10-140				
2,4,5-TP (Silvex)	28.0	5.00	"	40.0		70.0	10-139				
2,4-D	32.2	5.00	"	40.0		80.6	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*90.8*		*"*	*125*		*72.6*	*30-150*				
LCS Dup (BE20607-BSD1) LCS Dup									Prepared: 05/11/2022 Analyzed: 05/12/2022		
2,4,5-T	29.5	5.00	ug/L	40.0		73.8	10-140		6.11	30	
2,4,5-TP (Silvex)	29.8	5.00	"	40.0		74.4	10-139		6.06	30	
2,4-D	34.5	5.00	"	40.0		86.2	10-140		6.74	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*98.0*		*"*	*125*		*78.4*	*30-150*				
Batch BE20718 - EPA 3550C/8151A											
Blank (BE20718-BLK1) Blank									Prepared: 05/12/2022 Analyzed: 05/16/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.333*		*"*	*0.415*		*80.2*	*21-150*				
LCS (BE20718-BS1) LCS									Prepared: 05/12/2022 Analyzed: 05/16/2022		
2,4,5-T	0.0980	0.0199	mg/kg wet	0.133		73.7	10-120				
2,4,5-TP (Silvex)	0.0963	0.0199	"	0.133		72.5	10-120				
2,4-D	0.113	0.0199	"	0.133		85.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.350*		*"*	*0.415*		*84.2*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20718 - EPA 3550C/8151A											
Matrix Spike (BE20718-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/12/2022 Analyzed: 05/16/2022		
2,4,5-T	0.118	0.0245	mg/kg dry	0.163	ND	72.5	10-120				
2,4,5-TP (Silvex)	0.115	0.0245	"	0.163	ND	70.6	10-120				
2,4-D	0.136	0.0245	"	0.163	ND	83.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.350*		*"*	*0.510*		*68.6*	*21-150*				
Matrix Spike Dup (BE20718-M Matrix Spike Dup	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/12/2022 Analyzed: 05/16/2022		
2,4,5-T	0.120	0.0245	mg/kg dry	0.163	ND	73.8	10-120		1.71	35	
2,4,5-TP (Silvex)	0.117	0.0245	"	0.163	ND	71.9	10-120		1.75	35	
2,4-D	0.140	0.0245	"	0.163	ND	85.6	10-118		2.96	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.356*		*"*	*0.510*		*69.8*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20662 - EPA 3050B											
Blank (BE20662-BLK1) Blank									Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	5.88	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BE20662-DUP1) Duplicate	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared: 05/11/2022 Analyzed: 05/13/2022		
Aluminum	3920	6.14	mg/kg dry		3390				14.6	35	
Antimony	ND	3.07	"		ND					35	
Arsenic	ND	1.84	"		ND					35	
Barium	22.6	3.07	"		22.0				2.87	35	
Beryllium	ND	0.061	"		ND					35	
Cadmium	ND	0.368	"		ND					35	
Calcium	1270	6.14	"		1830				35.9	35	Non-dir.
Chromium	128	0.614	"		152				16.9	35	
Cobalt	52.8	0.491	"		67.3				24.0	35	
Copper	16.6	2.46	"		15.1				9.06	35	
Iron	30000	30.7	"		39400				27.1	35	
Lead	3.99	0.614	"		1.42				94.8	35	Non-dir.
Magnesium	85900	6.14	"		109000				23.5	35	
Manganese	549	0.614	"		636				14.6	35	
Nickel	1390	1.23	"		1630				16.2	35	
Potassium	728	6.14	"		719				1.20	35	
Selenium	ND	3.07	"		ND					35	
Silver	ND	0.614	"		ND					35	
Sodium	190	61.4	"		143				27.7	35	
Thallium	ND	3.07	"		ND					35	
Vanadium	12.7	1.23	"		14.3				11.3	35	
Zinc	20.4	3.07	"		20.6				0.906	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20662 - EPA 3050B											
Matrix Spike (BE20662-MS1) Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared: 05/11/2022 Analyzed: 05/13/2022			
Aluminum	4380	6.14	mg/kg dry	246	3390	404	75-125	High Bias			
Antimony	5.28	3.07	"	30.7	ND	17.2	75-125	Low Bias			
Arsenic	281	1.84	"	246	ND	115	75-125				
Barium	329	3.07	"	246	22.0	125	75-125				
Beryllium	6.72	0.061	"	6.14	ND	109	75-125				
Cadmium	4.94	0.368	"	6.14	ND	80.4	75-125				
Calcium	1430	6.14	"	123	1830	NR	75-125	Low Bias			
Chromium	203	0.614	"	24.6	152	208	75-125	High Bias			
Cobalt	143	0.491	"	61.4	67.3	124	75-125				
Copper	56.8	2.46	"	30.7	15.1	136	75-125	High Bias			
Iron	41000	30.7	"	123	39400	NR	75-125	High Bias			
Lead	71.6	0.614	"	61.4	1.42	114	75-125				
Magnesium	123000	6.14	"	123	109000	NR	75-125	High Bias			
Manganese	828	0.614	"	61.4	636	313	75-125	High Bias			
Nickel	1890	1.23	"	61.4	1630	430	75-125	High Bias			
Potassium	1070	6.14	"	123	719	290	75-125	High Bias			
Selenium	215	3.07	"	246	ND	87.6	75-125				
Silver	5.92	0.614	"	6.14	ND	96.4	75-125				
Sodium	304	61.4	"	123	143	131	75-125	High Bias			
Thallium	286	3.07	"	246	ND	116	75-125				
Vanadium	87.0	1.23	"	61.4	14.3	118	75-125				
Zinc	90.7	3.07	"	61.4	20.6	114	75-125				
Post Spike (BE20662-PS1) Post Spike	*Source sample: 22E0428-01 (EP01_-5.5)							Prepared: 05/11/2022 Analyzed: 05/13/2022			
Aluminum	28.6		ug/mL	2.00	27.6	50.1	75-125	Low Bias			
Antimony	0.299		"	0.250	-0.012	120	75-125				
Arsenic	2.24		"	2.00	-0.014	112	75-125				
Barium	2.56		"	2.00	0.179	119	75-125				
Beryllium	0.053		"	0.0500	-0.001	106	75-125				
Cadmium	0.041		"	0.0500	-0.014	82.9	75-125				
Calcium	15.7		"	1.00	14.9	75.8	75-125				
Chromium	1.42		"	0.200	1.24	93.6	75-125				
Cobalt	1.13		"	0.500	0.548	116	75-125				
Copper	0.442		"	0.250	0.123	127	75-125	High Bias			
Iron	314		"	1.00	320	NR	75-125	Low Bias			
Lead	0.578		"	0.500	0.012	113	75-125				
Magnesium	869		"	1.00	886	NR	75-125	Low Bias			
Manganese	5.71		"	0.500	5.18	106	75-125				
Nickel	13.7		"	0.500	13.3	81.8	75-125				
Potassium	6.66		"	1.00	5.85	80.6	75-125				
Selenium	1.75		"	2.00	-0.154	87.4	75-125				
Silver	0.048		"	0.0500	-0.010	96.1	75-125				
Sodium	2.17		"	1.00	1.17	100	75-125				
Thallium	2.30		"	2.00	0.023	114	75-125				
Vanadium	0.682		"	0.500	0.116	113	75-125				
Zinc	0.712		"	0.500	0.168	109	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20662 - EPA 3050B											
Reference (BE20662-SRM1) Reference								Prepared: 05/11/2022 Analyzed: 05/13/2022			
Aluminum	10100	5.00	mg/kg wet	10100		100	39.5-118.8				
Antimony	87.9	2.50	"	244		36.0	10-123				
Arsenic	126	1.50	"	109		116	63.7-118.3				
Barium	456	2.50	"	364		125	70.3-117	High Bias			
Beryllium	65.4	0.050	"	57.0		115	69.3-115.4				
Cadmium	54.1	0.300	"	48.7		111	67.8-112.9				
Calcium	5640	5.00	"	5190		109	66.3-116.6				
Chromium	203	0.500	"	173		117	65.3-120.8				
Cobalt	182	0.400	"	148		123	70.3-117.6	High Bias			
Copper	239	2.00	"	179		133	70.9-117.9	High Bias			
Iron	17500	25.0	"	15000		116	36.8-162.7				
Lead	125	0.500	"	101		123	69.1-126.7				
Magnesium	2780	5.00	"	2570		108	56.4-124.9				
Manganese	454	0.500	"	370		123	72.2-119.2	High Bias			
Nickel	71.1	1.00	"	52.2		136	63.4-117.8	High Bias			
Potassium	2480	5.00	"	2420		102	49.6-118.6				
Selenium	78.2	2.50	"	104		75.2	58.5-122.1				
Silver	29.9	0.500	"	29.9		100	63.5-123.7				
Sodium	160	50.0	"	161		99.2	30.1-139.1				
Thallium	107	2.50	"	101		106	59.8-120.8				
Vanadium	231	1.00	"	194		119	73.2-117	High Bias			
Zinc	498	2.50	"	431		116	74.9-121.1				
Batch BE20856 - EPA 3015A											
Blank (BE20856-BLK1) Blank								Prepared: 05/16/2022 Analyzed: 05/17/2022			
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	0.00885	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20856 - EPA 3015A											
LCS (BE20856-BS1) LCS									Prepared: 05/16/2022 Analyzed: 05/17/2022		
Aluminum	1.89		ug/mL	2.00		94.6	80-120				
Barium	1.86		"	2.00		93.1	80-120				
Calcium	1.14		"	1.00		114	80-120				
Chromium	0.177		"	0.200		88.4	80-120				
Cobalt	0.456		"	0.500		91.1	80-120				
Copper	0.228		"	0.250		91.2	80-120				
Iron	1.13		"	1.00		113	80-120				
Lead	0.461		"	0.500		92.2	80-120				
Magnesium	1.00		"	1.00		100	80-120				
Manganese	0.456		"	0.500		91.3	80-120				
Nickel	0.439		"	0.500		87.8	80-120				
Potassium	0.864		"	1.00		86.4	80-120				
Silver	0.0451		"	0.0500		90.2	80-120				
Sodium	0.972		"	1.00		97.2	80-120				
Vanadium	0.444		"	0.500		88.8	80-120				
Zinc	0.457		"	0.500		91.5	80-120				
Duplicate (BE20856-DUP1) Duplicate	*Source sample: 22E0584-18 (Duplicate)								Prepared: 05/16/2022 Analyzed: 05/17/2022		
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0278	"		ND					20	
Calcium	0.0988	0.0556	"		0.174				55.3	20	Non-dir.
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	ND	0.0556	"		ND					20	
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20856 - EPA 3015A											
Matrix Spike (BE20856-MS1) Matrix Spike	*Source sample: 22E0584-18 (Matrix Spike)									Prepared: 05/16/2022 Analyzed: 05/17/2022	
Aluminum	2.21	0.0556	mg/L	2.22	ND	99.4	75-125				
Barium	2.22	0.0278	"	2.22	ND	100	75-125				
Calcium	1.27	0.0556	"	1.11	0.174	98.4	75-125				
Chromium	0.212	0.00556	"	0.222	ND	95.6	75-125				
Cobalt	0.541	0.00444	"	0.556	ND	97.5	75-125				
Copper	0.269	0.0222	"	0.278	ND	97.0	75-125				
Iron	1.15	0.278	"	1.11	ND	103	75-125				
Lead	0.545	0.00556	"	0.556	ND	98.1	75-125				
Magnesium	1.16	0.0556	"	1.11	ND	104	75-125				
Manganese	0.545	0.00556	"	0.556	ND	98.0	75-125				
Nickel	0.516	0.0111	"	0.556	ND	92.9	75-125				
Potassium	1.06	0.0556	"	1.11	ND	95.8	75-125				
Silver	0.0527	0.00556	"	0.0556	ND	94.9	75-125				
Sodium	1.13	0.556	"	1.11	ND	101	75-125				
Vanadium	0.528	0.0111	"	0.556	ND	95.0	75-125				
Zinc	0.534	0.0278	"	0.556	ND	96.2	75-125				
Post Spike (BE20856-PS1) Post Spike	*Source sample: 22E0584-18 (Post Spike)									Prepared: 05/16/2022 Analyzed: 05/17/2022	
Aluminum	1.85		ug/mL	2.00	0.00909	91.9	75-125				
Barium	1.82		"	2.00	0.000148	90.8	75-125				
Calcium	1.10		"	1.00	0.157	94.1	75-125				
Chromium	0.173		"	0.200	0.00112	85.8	75-125				
Cobalt	0.439		"	0.500	-0.000478	87.7	75-125				
Copper	0.225		"	0.250	-0.00000646	90.2	75-125				
Iron	0.965		"	1.00	0.00644	95.9	75-125				
Lead	0.446		"	0.500	0.00276	88.6	75-125				
Magnesium	0.978		"	1.00	0.0196	95.8	75-125				
Manganese	0.449		"	0.500	0.000150	89.7	75-125				
Nickel	0.411		"	0.500	-0.00301	82.3	75-125				
Potassium	0.968		"	1.00	-0.0955	96.8	75-125				
Silver	0.0417		"	0.0500	0.00182	79.7	75-125				
Sodium	0.998		"	1.00	0.0268	97.1	75-125				
Vanadium	0.436		"	0.500	0.0000978	87.2	75-125				
Zinc	0.434		"	0.500	0.0175	83.4	75-125				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20857 - EPA 3015A											
Blank (BE20857-BLK1) Blank										Prepared: 05/16/2022 Analyzed: 05/17/2022	
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BE20857-BS1) LCS										Prepared: 05/16/2022 Analyzed: 05/17/2022	
Antimony	49.8		ug/L	50.0		99.7	80-120				
Arsenic	52.1		"	50.0		104	80-120				
Beryllium	53.4		"	50.0		107	80-120				
Cadmium	52.3		"	50.0		105	80-120				
Selenium	51.1		"	50.0		102	80-120				
Thallium	58.2		"	50.0		116	80-120				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20808 - EPA SW846-7470A												
Blank (BE20808-BLK1)	Blank									Prepared & Analyzed: 05/13/2022		
Mercury		ND	0.0002	mg/L								
LCS (BE20808-BS1)	LCS									Prepared & Analyzed: 05/13/2022		
Mercury		0.0020707	0.0002	mg/L	0.00200		104	80-120				
LCS (BE20808-BS2)	LCS									Prepared & Analyzed: 05/13/2022		
Mercury		0.0021561	0.0002	mg/L	0.00200		108	80-120				
Batch BE20854 - EPA 7473 soil												
Blank (BE20854-BLK1)	Blank									Prepared & Analyzed: 05/16/2022		
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20854-DUP1)	Duplicate	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/16/2022		
Mercury		ND	0.0368	mg/kg dry		ND					35	
Matrix Spike (BE20854-MS1)	Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/16/2022		
Mercury		0.000800		mg/kg	0.500	0.00280	NR	75-125	Low Bias			
Reference (BE20854-SRM1)	Reference									Prepared & Analyzed: 05/16/2022		
Mercury		26.019		mg/kg	27.2		95.7	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20583 - Analysis Preparation												
Blank (BE20583-BLK1)	Blank								Prepared & Analyzed: 05/10/2022			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BE20583-BS1)	LCS								Prepared & Analyzed: 05/10/2022			
Chromium, Hexavalent		0.510	0.0100	mg/L	0.500		102	80-120				
Duplicate (BE20583-DUP1)	Duplicate	*Source sample: 22E0431-05 (Duplicate)							Prepared & Analyzed: 05/10/2022			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BE20583-MS1)	Matrix Spike	*Source sample: 22E0431-05 (Matrix Spike)							Prepared & Analyzed: 05/10/2022			
Chromium, Hexavalent		0.484	0.0100	mg/L	0.500	ND	96.8	75-125				
Batch BE20603 - Analysis Preparation												
Blank (BE20603-BLK1)	Blank								Prepared & Analyzed: 05/11/2022			
Cyanide, total		ND	0.0100	mg/L								
LCS (BE20603-BS1)	LCS								Prepared & Analyzed: 05/11/2022			
Cyanide, total		0.180	0.0100	mg/L	0.200		90.0	80-120				
Duplicate (BE20603-DUP1)	Duplicate	*Source sample: 22E0431-05 (Duplicate)							Prepared & Analyzed: 05/11/2022			
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BE20603-MS1)	Matrix Spike	*Source sample: 22E0431-05 (Matrix Spike)							Prepared & Analyzed: 05/11/2022			
Cyanide, total		0.178	0.0100	mg/L	0.200	ND	89.0	79-105				
Batch BE20758 - EPA SW846-3060												
Blank (BE20758-BLK1)	Blank								Prepared & Analyzed: 05/13/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20758 - EPA SW846-3060												
Duplicate (BE20758-DUP1)	Duplicate	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/13/2022		
Chromium, Hexavalent		ND	0.614	mg/kg dry		ND					35	
Matrix Spike (BE20758-MS1)	Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/13/2022		
Chromium, Hexavalent		21.6	0.614	mg/kg dry	24.6	ND	88.0	75-125				
Reference (BE20758-SRM1)	Reference									Prepared & Analyzed: 05/13/2022		
Chromium, Hexavalent		58.9		mg/L	109		54.0	30-169.7				
Batch BE20790 - Analysis Preparation Soil												
Blank (BE20790-BLK1)	Blank									Prepared & Analyzed: 05/13/2022		
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BE20790-DUP1)	Duplicate	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/13/2022		
Cyanide, total		ND	0.614	mg/kg dry		ND					15	
Matrix Spike (BE20790-MS1)	Matrix Spike	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/13/2022		
Cyanide, total		7.80	0.614	mg/kg dry	12.3	ND	63.5	79.6-107	Low Bias			
Reference (BE20790-SRM1)	Reference									Prepared & Analyzed: 05/13/2022		
Cyanide, total		81.8		ug/mL	86.8		94.2	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20706 - % Solids Prep											
Duplicate (BE20706-DUP1) Duplicate	*Source sample: 22E0428-01 (EP01_-5.5)								Prepared & Analyzed: 05/12/2022		
% Solids	82.6	0.100	%		81.4				1.42	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22E0428-01	EP01_-5.5	40mL Vial with Stir Bar-Cool 4° C
22E0428-02	DUP07_05102022	40mL Vial with Stir Bar-Cool 4° C
22E0428-03	EP02_-5.5	40mL Vial with Stir Bar-Cool 4° C
22E0428-04	EP10_-5.5	40mL Vial with Stir Bar-Cool 4° C
22E0428-05	FB07_05102022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22E0428-07	TB07_05102022	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: 500mL amber UNP for FB07_05102022 (1,4 Dioxane analysis) not received. Extra (2) 250 HDPE containers received. The lab will proceed using volume from one of the 1L amber UNP containers for 1,4DX analysis on the FB. The client was notified on 5/11/22.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E0428

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company:
Address: 360 West 31st St 8th Flow, New York, NY	Address: 360 W 31 St 8th Floor NY NY	Address:
Phone: 212-479-5460	Phone: 212-479-5400	Phone:
Contact: Kim Semon	Contact: Kim Semon	Contact:
E-mail: KSemon@Langan.com	E-mail: KSemon@Langan.com	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day: X
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York: X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP01_-5.5	S	5/10/22 10:20	TCL/Part 375 VOCs + SVOCs,	MS/MSD
DUP07_05102022	S	5/10/22 —	PCBs, Pesticides, herbicides, metals	
EP02_-5.5	S	5/10/22 9:20	including Cyanide, hex+ trivalent	
EP10_-5.5	S	5/10/22 12:00	Chromium, PFAS, 1,4-Dioxane (*)	
FB07_05102022	QA/QC	5/10/22 14:30	(*) "Run For All Samples"	
PB01_PFAS_05102022	QA/QC	5/10/22 14:30	PFAS	
IB07_05102022	QA/QC	5/10/22 —	VOCs	

Comments: CC lesmail@langan.com, Maronica@Langan.com On all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction: Field Filtered; Lab to Filter

1 Samples Relinquished by / Company	Date/Time	1 Samples Received by / Company	Date/Time	2 Samples Relinquished by / Company	Date/Time
Daniel Arnstein/Langan	5/10/22 16:20	Mark N York Labs	5/10/22 1620	Mark N York Labs	5/10/22 1859
2 Samples Received by / Company	Date/Time	3 Samples Relinquished by / Company	Date/Time	3 Samples Received by / Company	Date/Time
I.B	5/10/22 1859	I.B	5/10/22 2024		
3 Samples Relinquished by / Company	Date/Time	4 Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	5/10/22 2024 3.1 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0480

Report Date: 05/16/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0480

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 11, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0480-01	EP60_4.5	Soil	05/11/2022	05/11/2022
22E0480-02	EP61_4.5	Soil	05/11/2022	05/11/2022
22E0480-03	EP71_6.5	Soil	05/11/2022	05/11/2022
22E0480-04	EP72_6.5	Soil	05/11/2022	05/11/2022

General Notes for York Project (SDG) No.: 22E0480

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 05/16/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP60_4.5 **York Sample ID:** 22E0480-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0480	170610601	Soil	May 11, 2022 1:45 pm	05/11/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**370**		mg/kg dry	0.592	1	EPA 6010D	05/12/2022 18:58	05/16/2022 14:23	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.130**		mg/kg dry	0.0355	1	EPA 7473	05/12/2022 12:20	05/13/2022 12:58	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.4**		%	0.100	1	SM 2540G	05/12/2022 07:56	05/12/2022 10:06	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP61_4.5 **York Sample ID:** 22E0480-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0480	170610601	Soil	May 11, 2022 1:50 pm	05/11/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D	05/12/2022 07:53	05/12/2022 17:00	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*38.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*60.2 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.4**		%	0.100	1	SM 2540G	05/12/2022 07:56	05/12/2022 10:06	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP71_6.5 **York Sample ID:** 22E0480-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0480	170610601	Soil	May 11, 2022 1:50 pm	05/11/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1690**		mg/kg dry	0.599	1	EPA 6010D	05/12/2022 18:58	05/16/2022 14:25	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.522**		mg/kg dry	0.0359	1	EPA 7473	05/12/2022 12:20	05/13/2022 13:07	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.5**		%	0.100	1	SM 2540G	05/12/2022 07:56	05/12/2022 10:06	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP72_6.5 **York Sample ID:** 22E0480-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0480	170610601	Soil	May 11, 2022 1:55 pm	05/11/2022

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.795**		mg/kg dry	0.0340	1	EPA 7473	05/12/2022 12:20	05/13/2022 13:17	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.3**		%	0.100	1	SM 2540G	05/12/2022 07:56	05/12/2022 10:06	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BE20673 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E0480-02	EP61_4.5	05/12/22
BE20673-BLK1	Blank	05/12/22
BE20673-BS1	LCS	05/12/22
BE20673-MS1	Matrix Spike	05/12/22
BE20673-MSD1	Matrix Spike Dup	05/12/22

Batch ID: BE20675 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0480-01	EP60_4.5	05/12/22
22E0480-02	EP61_4.5	05/12/22
22E0480-03	EP71_6.5	05/12/22
22E0480-04	EP72_6.5	05/12/22
BE20675-DUP1	Duplicate	05/12/22

Batch ID: BE20710 **Preparation Method:** EPA 7473 soil **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
22E0480-01	EP60_4.5	05/12/22
22E0480-03	EP71_6.5	05/12/22
22E0480-04	EP72_6.5	05/12/22
BE20710-BLK1	Blank	05/12/22
BE20710-DUP1	Duplicate	05/12/22
BE20710-MS1	Matrix Spike	05/12/22
BE20710-SRM1	Reference	05/12/22

Batch ID: BE20742 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22E0480-01	EP60_4.5	05/12/22
22E0480-03	EP71_6.5	05/12/22
BE20742-BLK1	Blank	05/12/22
BE20742-DUP1	Duplicate	05/12/22
BE20742-MS1	Matrix Spike	05/12/22
BE20742-PS1	Post Spike	05/12/22
BE20742-SRM1	Reference	05/12/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20673 - EPA 3546 SVOA											
Blank (BE20673-BLK1) Blank								Prepared & Analyzed: 05/12/2022			
Indeno(1,2,3-cd)pyrene	ND	0.0416	mg/kg wet								
Surrogate: SURR: Nitrobenzene-d5	*0.293*		"	*0.831*		*35.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.375*		"	*0.831*		*45.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.393*		"	*0.831*		*47.4*	*24-116*				
LCS (BE20673-BS1) LCS								Prepared & Analyzed: 05/12/2022			
Indeno(1,2,3-cd)pyrene	0.626	0.0416	mg/kg wet	0.831		75.3	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.443*		"	*0.831*		*53.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.598*		"	*0.831*		*72.0*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.580*		"	*0.831*		*69.9*	*24-116*				
Matrix Spike (BE20673-MS1) Matrix Spike *Source sample: 22E0354-01 (Matrix Spike)								Prepared: 05/12/2022 Analyzed: 05/13/2022			
Indeno(1,2,3-cd)pyrene	0.681	0.0908	mg/kg dry	0.907	0.0569	68.8	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.539*		"	*0.907*		*59.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.549*		"	*0.907*		*60.5*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.527*		"	*0.907*		*58.1*	*24-116*				
Matrix Spike Dup (BE20673-M Matrix Spike Dup *Source sample: 22E0354-01 (Matrix Spike Dup)								Prepared: 05/12/2022 Analyzed: 05/13/2022			
Indeno(1,2,3-cd)pyrene	0.468	0.0908	mg/kg dry	0.907	0.0569	45.3	10-144		37.0	30	Non-dir.
Surrogate: SURR: Nitrobenzene-d5	*0.416*		"	*0.907*		*45.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.412*		"	*0.907*		*45.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.440*		"	*0.907*		*48.6*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20742 - EPA 3050B											
Blank (BE20742-BLK1) Blank									Prepared: 05/12/2022 Analyzed: 05/16/2022		
Lead	ND	0.500	mg/kg wet								
Duplicate (BE20742-DUP1) Duplicate	*Source sample: 22E0505-09 (Duplicate)								Prepared: 05/12/2022 Analyzed: 05/16/2022		
Lead	842	0.535	mg/kg dry		649				25.9	35	
Matrix Spike (BE20742-MS1) Matrix Spike	*Source sample: 22E0505-09 (Matrix Spike)								Prepared: 05/12/2022 Analyzed: 05/16/2022		
Lead	579	0.535	mg/kg dry	53.5	649	NR	75-125	Low Bias			
Post Spike (BE20742-PS1) Post Spike	*Source sample: 22E0505-09 (Post Spike)								Prepared: 05/12/2022 Analyzed: 05/16/2022		
Lead	6.67		ug/mL	0.500	6.07	120	75-125				
Reference (BE20742-SRM1) Reference									Prepared: 05/12/2022 Analyzed: 05/16/2022		
Lead	110	0.500	mg/kg wet	101		109	69.1-126.7				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20710 - EPA 7473 soil												
Blank (BE20710-BLK1)	Blank									Prepared: 05/12/2022 Analyzed: 05/13/2022		
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE20710-DUP1)	Duplicate	*Source sample: 22E0326-01 (Duplicate)								Prepared: 05/12/2022 Analyzed: 05/13/2022		
Mercury		ND	0.0348	mg/kg dry		0.0620					35	
Matrix Spike (BE20710-MS1)	Matrix Spike	*Source sample: 22E0326-01 (Matrix Spike)								Prepared: 05/12/2022 Analyzed: 05/13/2022		
Mercury		0.531		mg/kg	0.500	0.0534	95.5	75-125				
Reference (BE20710-SRM1)	Reference									Prepared: 05/12/2022 Analyzed: 05/13/2022		
Mercury		22.916		mg/kg	27.2		84.2	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20675 - % Solids Prep											
Duplicate (BE20675-DUP1) Duplicate	*Source sample: 22E0505-12 (Duplicate)							Prepared & Analyzed: 05/12/2022			
% Solids	92.3	0.100	%		93.5				1.27	20	

Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E0480

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st St Floor 8, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: KSemon@Langan.com	E-mail:	E-mail:

YOUR Project Number: 170160601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day X
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP60_4.5	S	5/11/22 1345	Lead and Mercury	
EP61_4.5	S	5/11/22 1350	Indeno(1,2,3-cd)pyrene	
EP71_6.5	S	5/11/22 1350	Lead and Mercury	
EP72_6.5	S	5/11/22 1355	Mercury	

Comments: cc lesmail@langan.com, maronicu@langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle: Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

- Field Filtered
- Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Daniel Arnstein / Langan	5/11/22 1454	Nat'l York Fales	5/11/22 1454	Nat'l York Fales	5/11/22 1818
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
I.B	5/11/22 1818	I.B	5/11/22 2009		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					5/11/22 2009 / 23 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/19/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0773

Report Date: 05/19/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0773

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 17, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

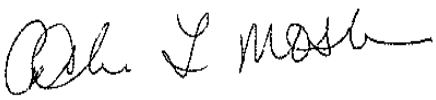
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0773-01	EP71_5.5	Soil	05/17/2022	05/17/2022

General Notes for York Project (SDG) No.: 22E0773

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 05/19/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP71_5.5 **York Sample ID:** 22E0773-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0773	170610601	Soil	May 17, 2022 1:10 pm	05/17/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**204**		mg/kg dry	0.654	1	EPA 6010D	05/18/2022 13:32	05/19/2022 16:11	KT
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.5**		%	0.100	1	SM 2540G	05/18/2022 08:59	05/18/2022 12:05	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BE20990 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0773-01	EP71_5.5	05/18/22
BE20990-DUP1	Duplicate	05/18/22

Batch ID: BE21038 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22E0773-01	EP71_5.5	05/18/22
BE21038-BLK1	Blank	05/18/22
BE21038-DUP1	Duplicate	05/18/22
BE21038-MS1	Matrix Spike	05/18/22
BE21038-PS1	Post Spike	05/18/22
BE21038-SRM1	Reference	05/18/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21038 - EPA 3050B												
Blank (BE21038-BLK1)	Blank									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Lead		ND	0.500	mg/kg wet								
Duplicate (BE21038-DUP1)	Duplicate	*Source sample: 22E0585-01 (Duplicate)								Prepared: 05/18/2022 Analyzed: 05/19/2022		
Lead		35.3	0.630	mg/kg dry		33.3				5.95	35	
Matrix Spike (BE21038-MS1)	Matrix Spike	*Source sample: 22E0585-01 (Matrix Spike)								Prepared: 05/18/2022 Analyzed: 05/19/2022		
Lead		105	0.630	mg/kg dry	63.0	33.3	115	75-125				
Post Spike (BE21038-PS1)	Post Spike	*Source sample: 22E0585-01 (Post Spike)								Prepared: 05/18/2022 Analyzed: 05/19/2022		
Lead		0.800		ug/mL	0.500	0.264	107	75-125				
Reference (BE21038-SRM1)	Reference									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Lead		105	0.500	mg/kg wet	101		104	69.1-126.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20990 - % Solids Prep											
Duplicate (BE20990-DUP1) Duplicate	*Source sample: 22E0773-01 (EP71_5.5)								Prepared & Analyzed: 05/18/2022		
% Solids	78.2	0.100	%		76.5				2.19	20	

Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22EC773

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 West 31st St 8th Floor New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Simon	Contact:	Contact:		RUSH - Four Day
E-mail: KSimon@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; ~~NY ASP A Package~~; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP7H-SB 5.5	S	5/17/22 1310	Lead	

Comments: Please include lesmail@langan.com; maronica@langan.com; for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply): HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	1. Samples Received by / Company	Date/Time
Kdc / Langan	5/17/22	Mark N Yorke Fales	5/17/22 1349	Mark N Yorke Fales	5/17/22 1827
2. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time
I. B	5/17/22 1827	Ivan B	5/17/22 2130		
3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				K Bloor	5/17/22 2130 / 2.3 Degrees C

Page 9 of 9

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 06/02/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E1262

Report Date: 06/02/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E1262

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 26, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E1262-01	EP65_-5.5	Soil	05/26/2022	05/26/2022
22E1262-02	EP70_-5.5	Soil	05/26/2022	05/26/2022
22E1262-03	FB01_PFAS_05262022	Water	05/26/2022	05/26/2022

General Notes for York Project (SDG) No.: 22E1262

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 06/02/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0059**	J	mg/kg dry	0.0043	0.0086	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.028**		mg/kg dry	0.0043	0.0086	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	05/27/2022 06:46	05/27/2022 12:41	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.4 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.375	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D	05/27/2022 08:26	05/27/2022 20:12	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*52.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*58.7 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*64.8 %*	*24-116*

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/27/2022 13:52	05/31/2022 12:23	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.276	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:06	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.1 %*	*25-150*
Surrogate: M5PFHxA	*82.6 %*	*25-150*
Surrogate: M4PFHpA	*76.6 %*	*25-150*
Surrogate: M3PFHxS	*86.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.6 %*	*25-150*
Surrogate: M6PFDA	*70.4 %*	*25-150*
Surrogate: M7PFUdA	*66.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*55.7 %*	*25-150*
Surrogate: M2PFTeDA	*35.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*80.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.0 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*65.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*67.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*80.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*103 %*	*25-200*
Surrogate: M9PFNA	*70.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:12	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:12	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:12	CM

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:12	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*103 %*	*30-150*

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	05/27/2022 13:46	05/31/2022 13:48	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*112 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*110 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0227	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:45	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:45	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:45	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*39.2 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3130**		mg/kg dry	5.71	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**22.1**		mg/kg dry	2.86	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.109**		mg/kg dry	0.057	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**919**		mg/kg dry	5.71	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**12.3**		mg/kg dry	0.571	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**5.64**		mg/kg dry	0.457	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**18.8**		mg/kg dry	2.29	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**9760**		mg/kg dry	28.6	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2.55**		mg/kg dry	0.571	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4030**		mg/kg dry	5.71	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**154**		mg/kg dry	0.571	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**65.2**		mg/kg dry	1.14	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**670**		mg/kg dry	5.71	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**109**		mg/kg dry	57.1	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**13.5**		mg/kg dry	1.14	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**16.3**		mg/kg dry	2.86	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:48	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP65_-5.5 **York Sample ID:** 22E1262-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 8:00 am	05/26/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	1	EPA 7473	05/31/2022 11:13	05/31/2022 15:18	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	05/27/2022 09:44	05/27/2022 18:11	JAMT
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**12.3**		mg/kg	0.500	1	Calculation	05/31/2022 15:19	05/31/2022 17:06	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.571	1	EPA 9014/9010C	05/27/2022 11:00	05/27/2022 16:20	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.5**		%	0.100	1	SM 2540G	05/27/2022 10:19	05/27/2022 12:57	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.035	0.070	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0047**	J	mg/kg dry	0.0035	0.0070	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.029**		mg/kg dry	0.0035	0.0070	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0035	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	05/27/2022 06:46	05/27/2022 13:09	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.4 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D	05/27/2022 13:23	05/31/2022 11:02	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*90.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*84.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*106 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*90.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*65.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*105 %*	*24-116*

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	05/27/2022 13:52	05/31/2022 12:40	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*70.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.262	1	EPA 537m Certifications:	05/27/2022 13:58	06/01/2022 19:18	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.2 %*	*25-150*
Surrogate: M5PFHxA	*76.1 %*	*25-150*
Surrogate: M4PFHpA	*73.6 %*	*25-150*
Surrogate: M3PFHxS	*88.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*76.9 %*	*25-150*
Surrogate: M6PFDA	*73.0 %*	*25-150*
Surrogate: M7PFUdA	*60.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*52.8 %*	*25-150*
Surrogate: M2PFTeDA	*31.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*77.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*62.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*67.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*69.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*74.8 %*	*25-200*
Surrogate: M9PFNA	*69.6 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:28	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:28	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2022 13:46	05/31/2022 14:28	CM

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B	05/27/2022 13:46	05/31/2022 14:28	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.8 %*	*30-150*

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	05/27/2022 13:46	05/31/2022 14:01	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*102 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*104 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0223	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A	05/27/2022 13:31	05/31/2022 14:56	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*32.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5090**		mg/kg dry	5.60	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**39.2**		mg/kg dry	2.80	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.201**		mg/kg dry	0.056	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.336	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1250**		mg/kg dry	5.60	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.5**		mg/kg dry	0.560	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.10**		mg/kg dry	0.448	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**26.3**		mg/kg dry	2.24	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13800**		mg/kg dry	28.0	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.88**		mg/kg dry	0.560	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3360**		mg/kg dry	5.60	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**333**		mg/kg dry	0.560	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**84.2**		mg/kg dry	1.12	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**998**		mg/kg dry	5.60	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**141**		mg/kg dry	56.0	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**19.6**		mg/kg dry	1.12	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**22.5**		mg/kg dry	2.80	1	EPA 6010D	05/27/2022 10:30	05/31/2022 15:51	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP70_-5.5 **York Sample ID:** 22E1262-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Soil	May 26, 2022 10:25 am	05/26/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0336	1	EPA 7473	05/31/2022 11:13	05/31/2022 15:27	BML
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.560	1	EPA 7196A	05/27/2022 09:44	05/27/2022 18:11	JAMT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.5**		mg/kg	0.500	1	Calculation	05/31/2022 15:19	05/31/2022 17:06	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.560	1	EPA 9014/9010C	05/27/2022 11:00	05/27/2022 16:20	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.3**		%	0.100	1	SM 2540G	05/27/2022 10:19	05/27/2022 12:57	AJS
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **FB01_PFAS_05262022** **York Sample ID:** **22E1262-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Water	May 26, 2022 8:15 am	05/26/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL

Sample Information

Client Sample ID: FB01_PFAS_05262022 **York Sample ID:** 22E1262-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E1262	170610601	Water	May 26, 2022 8:15 am	05/26/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m Certifications:	05/27/2022 13:54	05/31/2022 15:00	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*102 %*	*25-150*
Surrogate: M5PFHxA	*92.6 %*	*25-150*
Surrogate: M4PFHpA	*88.2 %*	*25-150*
Surrogate: M3PFHxS	*96.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.9 %*	*25-150*
Surrogate: M6PFDA	*82.2 %*	*25-150*
Surrogate: M7PFUdA	*79.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*63.8 %*	*25-150*
Surrogate: M2PFTeDA	*54.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*101 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*46.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*64.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*63.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*104 %*	*25-200*
Surrogate: M9PFNA	*87.1 %*	*25-150*

Analytical Batch Summary

Batch ID: BE21004 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21004-BLK1	Blank	05/27/22
BE21004-BLK2	Blank	05/27/22
BE21004-BLK3	Blank	05/27/22
BE21004-BLK4	Blank	05/27/22
BE21004-BS1	LCS	05/27/22
BE21004-BSD1	LCS Dup	05/27/22

Batch ID: BE21539 **Preparation Method:** EPA 3546 SVOA **Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
BE21539-BLK1	Blank	05/27/22
BE21539-BS1	LCS	05/27/22
BE21539-MS1	Matrix Spike	05/27/22
BE21539-MSD1	Matrix Spike Dup	05/27/22

Batch ID: BE21550 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAMT

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21550-BLK1	Blank	05/27/22
BE21550-DUP1	Duplicate	05/27/22
BE21550-MS1	Matrix Spike	05/27/22
BE21550-SRM1	Reference	05/27/22

Batch ID: BE21555 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21555-DUP1	Duplicate	05/27/22

Batch ID: BE21556 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21556-BLK1	Blank	05/27/22
BE21556-DUP1	Duplicate	05/27/22
BE21556-MS1	Matrix Spike	05/27/22

BE21556-PS1	Post Spike	05/27/22
BE21556-SRM1	Reference	05/27/22

Batch ID: BE21562 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21562-BLK1	Blank	05/27/22
BE21562-DUP1	Duplicate	05/27/22
BE21562-MS1	Matrix Spike	05/27/22
BE21562-SRM1	Reference	05/27/22

Batch ID: BE21577 **Preparation Method:** EPA 3546 SVOA **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-02	EP70_-5.5	05/27/22
BE21577-BLK1	Blank	05/27/22
BE21577-BS1	LCS	05/27/22
BE21577-MS1	Matrix Spike	05/27/22
BE21577-MSD1	Matrix Spike Dup	05/27/22

Batch ID: BE21578 **Preparation Method:** EPA 3550C/8151A **Prepared By:** VS

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21578-BLK1	Blank	05/27/22
BE21578-BS1	LCS	05/27/22
BE21578-MS1	Matrix Spike	05/27/22
BE21578-MSD1	Matrix Spike Dup	05/27/22

Batch ID: BE21580 **Preparation Method:** EPA 3550C **Prepared By:** VS

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21580-BLK1	Blank	05/27/22
BE21580-BLK2	Blank	05/27/22
BE21580-BS1	LCS	05/27/22
BE21580-BS2	LCS	05/27/22
BE21580-MS1	Matrix Spike	05/27/22
BE21580-MSD1	Matrix Spike Dup	05/27/22

Batch ID: BE21582 **Preparation Method:** EPA 3550C **Prepared By:** VS

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21582-BLK1	Blank	05/27/22
BE21582-BS1	LCS	05/27/22
BE21582-MS1	Matrix Spike	05/27/22

Batch ID: BE21583 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-03	FB01_PFAS_05262022	05/27/22
BE21583-BLK1	Blank	05/27/22
BE21583-BS1	LCS	05/27/22
BE21583-MS1	Matrix Spike	05/27/22
BE21583-MS2	Matrix Spike	05/27/22
BE21583-MSD1	Matrix Spike Dup	05/27/22
BE21583-MSD2	Matrix Spike Dup	05/27/22

Batch ID: BE21584 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/27/22
22E1262-02	EP70_-5.5	05/27/22
BE21584-BLK1	Blank	05/27/22
BE21584-BS1	LCS	05/27/22
BE21584-MS1	Matrix Spike	05/27/22
BE21584-MSD1	Matrix Spike Dup	05/27/22

Batch ID: BE21664 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/31/22
22E1262-02	EP70_-5.5	05/31/22
BE21664-BLK1	Blank	05/31/22
BE21664-DUP1	Duplicate	05/31/22
BE21664-MS1	Matrix Spike	05/31/22
BE21664-SRM1	Reference	05/31/22

Batch ID: BE21701 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22E1262-01	EP65_-5.5	05/31/22
22E1262-02	EP70_-5.5	05/31/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
Blank (BE21004-BLK1) Blank									Prepared & Analyzed: 05/27/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
Blank (BE21004-BLK1) Blank									Prepared & Analyzed: 05/27/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.9*		*ug/L*	*50.0*		*95.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.3*	*76-130*				
Blank (BE21004-BLK2) Blank									Prepared & Analyzed: 05/27/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
Blank (BE21004-BLK2) Blank									Prepared & Analyzed: 05/27/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.4*		*ug/L*	*50.0*		*96.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE21004 - EPA 5035A

Blank (BE21004-BLK3) Blank — Prepared & Analyzed: 05/27/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
Blank (BE21004-BLK3) Blank								Prepared & Analyzed: 05/27/2022			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.2*		*ug/L*	*50.0*		*96.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.6*	*76-130*				
Blank (BE21004-BLK4) Blank								Prepared & Analyzed: 05/27/2022			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
Blank (BE21004-BLK4) Blank									Prepared & Analyzed: 05/27/2022		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.4*		*"*	*50.0*		*96.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
LCS (BE21004-BS1) LCS							Prepared & Analyzed: 05/27/2022				
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		97.9	75-129				
1,1,1-Trichloroethane	45.9		"	50.0		91.8	71-137				
1,1,2,2-Tetrachloroethane	52.7		"	50.0		105	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.3		"	50.0		96.7	58-146				
1,1,2-Trichloroethane	48.9		"	50.0		97.7	83-123				
1,1-Dichloroethane	47.2		"	50.0		94.5	75-130				
1,1-Dichloroethylene	50.1		"	50.0		100	64-137				
1,2,3-Trichlorobenzene	48.3		"	50.0		96.6	81-140				
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	50.1		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	50.5		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	49.8		"	50.0		99.6	74-142				
1,2-Dibromoethane	49.7		"	50.0		99.5	86-123				
1,2-Dichlorobenzene	49.9		"	50.0		99.9	85-122				
1,2-Dichloroethane	45.8		"	50.0		91.5	71-133				
1,2-Dichloropropane	53.0		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	49.8		"	50.0		99.6	82-126				
1,3-Dichlorobenzene	50.0		"	50.0		99.9	84-124				
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dioxane	689		"	1050		65.6	10-228				
2-Butanone	48.5		"	50.0		97.1	58-147				
2-Hexanone	51.1		"	50.0		102	70-139				
4-Methyl-2-pentanone	51.8		"	50.0		104	72-132				
Acetone	44.1		"	50.0		88.1	36-155				
Acrolein	70.9		"	50.0		142	10-238				
Acrylonitrile	50.6		"	50.0		101	66-141				
Benzene	49.5		"	50.0		99.0	77-127				
Bromochloromethane	49.1		"	50.0		98.1	74-129				
Bromodichloromethane	48.6		"	50.0		97.3	81-124				
Bromoform	48.2		"	50.0		96.3	80-136				
Bromomethane	47.6		"	50.0		95.2	32-177				
Carbon disulfide	51.7		"	50.0		103	10-136				
Carbon tetrachloride	46.2		"	50.0		92.4	66-143				
Chlorobenzene	52.0		"	50.0		104	86-120				
Chloroethane	51.5		"	50.0		103	51-142				
Chloroform	47.0		"	50.0		93.9	76-131				
Chloromethane	44.6		"	50.0		89.1	49-132				
cis-1,2-Dichloroethylene	47.9		"	50.0		95.7	74-132				
cis-1,3-Dichloropropylene	51.1		"	50.0		102	81-129				
Cyclohexane	47.6		"	50.0		95.2	70-130				
Dibromochloromethane	48.6		"	50.0		97.3	10-200				
Dibromomethane	48.2		"	50.0		96.4	83-124				
Dichlorodifluoromethane	38.5		"	50.0		76.9	28-158				
Ethyl Benzene	50.5		"	50.0		101	84-125				
Hexachlorobutadiene	48.9		"	50.0		97.9	83-133				
Isopropylbenzene	52.8		"	50.0		106	81-127				
Methyl acetate	44.1		"	50.0		88.3	41-143				
Methyl tert-butyl ether (MTBE)	47.8		"	50.0		95.5	74-131				
Methylcyclohexane	49.5		"	50.0		99.0	70-130				
Methylene chloride	48.5		"	50.0		97.0	57-141				
n-Butylbenzene	52.0		"	50.0		104	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
LCS (BE21004-BS1) LCS								Prepared & Analyzed: 05/27/2022			
n-Propylbenzene	51.5		ug/L	50.0		103	74-136				
o-Xylene	51.2		"	50.0		102	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Isopropyltoluene	51.0		"	50.0		102	85-125				
sec-Butylbenzene	51.1		"	50.0		102	83-125				
Styrene	50.2		"	50.0		100	86-126				
tert-Butyl alcohol (TBA)	325		"	250		130	70-130				
tert-Butylbenzene	51.1		"	50.0		102	80-127				
Tetrachloroethylene	45.1		"	50.0		90.3	80-129				
Toluene	49.0		"	50.0		98.1	85-121				
trans-1,2-Dichloroethylene	48.4		"	50.0		96.8	72-132				
trans-1,3-Dichloropropylene	49.8		"	50.0		99.5	78-132				
Trichloroethylene	50.4		"	50.0		101	84-123				
Trichlorofluoromethane	49.0		"	50.0		98.0	62-140				
Vinyl Chloride	49.8		"	50.0		99.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.2*		*"*	*50.0*		*94.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*76-130*				
LCS Dup (BE21004-BSD1) LCS Dup								Prepared & Analyzed: 05/27/2022			
1,1,1,2-Tetrachloroethane	49.7		ug/L	50.0		99.4	75-129		1.52	30	
1,1,1-Trichloroethane	46.5		"	50.0		93.1	71-137		1.34	30	
1,1,2,2-Tetrachloroethane	53.7		"	50.0		107	79-129		1.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.3		"	50.0		94.7	58-146		2.09	30	
1,1,2-Trichloroethane	49.5		"	50.0		99.0	83-123		1.32	30	
1,1-Dichloroethane	48.7		"	50.0		97.4	75-130		3.02	30	
1,1-Dichloroethylene	43.4		"	50.0		86.8	64-137		14.4	30	
1,2,3-Trichlorobenzene	50.0		"	50.0		100	81-140		3.52	30	
1,2,3-Trichloropropane	51.6		"	50.0		103	81-126		2.04	30	
1,2,4-Trichlorobenzene	51.8		"	50.0		104	80-141		3.36	30	
1,2,4-Trimethylbenzene	52.4		"	50.0		105	84-125		3.61	30	
1,2-Dibromo-3-chloropropane	50.5		"	50.0		101	74-142		1.44	30	
1,2-Dibromoethane	50.6		"	50.0		101	86-123		1.71	30	
1,2-Dichlorobenzene	51.4		"	50.0		103	85-122		2.90	30	
1,2-Dichloroethane	46.3		"	50.0		92.5	71-133		1.09	30	
1,2-Dichloropropane	53.3		"	50.0		107	81-122		0.639	30	
1,3,5-Trimethylbenzene	51.9		"	50.0		104	82-126		4.15	30	
1,3-Dichlorobenzene	51.7		"	50.0		103	84-124		3.35	30	
1,4-Dichlorobenzene	51.0		"	50.0		102	84-124		2.60	30	
1,4-Dioxane	698		"	1050		66.5	10-228		1.28	30	
2-Butanone	51.9		"	50.0		104	58-147		6.75	30	
2-Hexanone	51.6		"	50.0		103	70-139		0.934	30	
4-Methyl-2-pentanone	53.0		"	50.0		106	72-132		2.42	30	
Acetone	44.6		"	50.0		89.2	36-155		1.15	30	
Acrolein	68.7		"	50.0		137	10-238		3.14	30	
Acrylonitrile	49.5		"	50.0		98.9	66-141		2.20	30	
Benzene	50.1		"	50.0		100	77-127		1.27	30	
Bromochloromethane	50.0		"	50.0		100	74-129		1.90	30	
Bromodichloromethane	49.4		"	50.0		98.8	81-124		1.59	30	
Bromoform	48.3		"	50.0		96.6	80-136		0.311	30	
Bromomethane	48.4		"	50.0		96.9	32-177		1.73	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21004 - EPA 5035A											
LCS Dup (BE21004-BSD1) LCS Dup							Prepared & Analyzed: 05/27/2022				
Carbon disulfide	53.4		ug/L	50.0		107	10-136		3.27	30	
Carbon tetrachloride	47.5		"	50.0		95.0	66-143		2.82	30	
Chlorobenzene	53.1		"	50.0		106	86-120		1.96	30	
Chloroethane	53.7		"	50.0		107	51-142		4.20	30	
Chloroform	47.6		"	50.0		95.1	76-131		1.23	30	
Chloromethane	46.4		"	50.0		92.7	49-132		3.96	30	
cis-1,2-Dichloroethylene	48.6		"	50.0		97.1	74-132		1.45	30	
cis-1,3-Dichloropropylene	52.1		"	50.0		104	81-129		2.02	30	
Cyclohexane	48.7		"	50.0		97.5	70-130		2.37	30	
Dibromochloromethane	49.9		"	50.0		99.7	10-200		2.46	30	
Dibromomethane	49.2		"	50.0		98.4	83-124		2.01	30	
Dichlorodifluoromethane	38.3		"	50.0		76.7	28-158		0.339	30	
Ethyl Benzene	51.9		"	50.0		104	84-125		2.81	30	
Hexachlorobutadiene	51.1		"	50.0		102	83-133		4.30	30	
Isopropylbenzene	55.2		"	50.0		110	81-127		4.35	30	
Methyl acetate	44.2		"	50.0		88.4	41-143		0.181	30	
Methyl tert-butyl ether (MTBE)	47.6		"	50.0		95.3	74-131		0.252	30	
Methylcyclohexane	51.8		"	50.0		104	70-130		4.52	30	
Methylene chloride	49.3		"	50.0		98.6	57-141		1.66	30	
n-Butylbenzene	53.4		"	50.0		107	80-130		2.71	30	
n-Propylbenzene	53.6		"	50.0		107	74-136		3.98	30	
o-Xylene	52.8		"	50.0		106	83-123		3.15	30	
p- & m- Xylenes	102		"	100		102	82-128		1.71	30	
p-Isopropyltoluene	53.2		"	50.0		106	85-125		4.28	30	
sec-Butylbenzene	53.1		"	50.0		106	83-125		3.86	30	
Styrene	51.0		"	50.0		102	86-126		1.62	30	
tert-Butyl alcohol (TBA)	298		"	250		119	70-130		8.37	30	
tert-Butylbenzene	53.8		"	50.0		108	80-127		5.19	30	
Tetrachloroethylene	46.5		"	50.0		93.0	80-129		3.01	30	
Toluene	50.8		"	50.0		102	85-121		3.47	30	
trans-1,2-Dichloroethylene	49.3		"	50.0		98.6	72-132		1.88	30	
trans-1,3-Dichloropropylene	50.0		"	50.0		100	78-132		0.521	30	
Trichloroethylene	51.3		"	50.0		103	84-123		1.75	30	
Trichlorofluoromethane	50.1		"	50.0		100	62-140		2.16	30	
Vinyl Chloride	50.5		"	50.0		101	52-130		1.34	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.8*		*"*	*50.0*		*93.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE21539 - EPA 3546 SVOA

Blank (BE21539-BLK1) Blank — Prepared & Analyzed: 05/27/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21539 - EPA 3546 SVOA											
Blank (BE21539-BLK1) Blank									Prepared & Analyzed: 05/27/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*0.881*		"	*1.66*		*53.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.827*		"	*1.66*		*49.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.491*		"	*0.831*		*59.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.448*		"	*0.831*		*53.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.04*		"	*1.66*		*62.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.527*		"	*0.831*		*63.5*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21539 - EPA 3546 SVOA											
LCS (BE21539-BS1) LCS							Prepared & Analyzed: 05/27/2022				
1,1-Biphenyl	0.351	0.0416	mg/kg wet	0.831		42.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.388	0.0830	"	0.831		46.7	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.317	0.0416	"	0.831		38.2	17-137				
2,3,4,6-Tetrachlorophenol	0.389	0.0830	"	0.831		46.8	30-130				
2,4,5-Trichlorophenol	0.369	0.0416	"	0.831		44.4	27-118				
2,4,6-Trichlorophenol	0.369	0.0416	"	0.831		44.5	31-120				
2,4-Dichlorophenol	0.396	0.0416	"	0.831		47.6	20-127				
2,4-Dimethylphenol	0.390	0.0416	"	0.831		47.0	14-132				
2,4-Dinitrophenol	0.385	0.0830	"	0.831		46.3	10-171				
2,4-Dinitrotoluene	0.433	0.0416	"	0.831		52.2	34-131				
2,6-Dinitrotoluene	0.439	0.0416	"	0.831		52.8	31-128				
2-Chloronaphthalene	0.352	0.0416	"	0.831		42.4	31-117				
2-Chlorophenol	0.344	0.0416	"	0.831		41.4	33-113				
2-Methylnaphthalene	0.371	0.0416	"	0.831		44.6	12-138				
2-Methylphenol	0.339	0.0416	"	0.831		40.8	10-136				
2-Nitroaniline	0.395	0.0830	"	0.831		47.5	27-132				
2-Nitrophenol	0.431	0.0416	"	0.831		51.8	17-129				
3- & 4-Methylphenols	0.304	0.0416	"	0.831		36.6	29-103				
3,3-Dichlorobenzidine	0.331	0.0416	"	0.831		39.8	22-149				
3-Nitroaniline	0.319	0.0830	"	0.831		38.4	20-133				
4,6-Dinitro-2-methylphenol	0.432	0.0830	"	0.831		52.0	10-143				
4-Bromophenyl phenyl ether	0.372	0.0416	"	0.831		44.8	29-120				
4-Chloro-3-methylphenol	0.394	0.0416	"	0.831		47.4	24-129				
4-Chloroaniline	0.256	0.0416	"	0.831		30.8	10-132				
4-Chlorophenyl phenyl ether	0.388	0.0416	"	0.831		46.8	27-124				
4-Nitroaniline	0.340	0.0830	"	0.831		40.9	16-128				
4-Nitrophenol	0.389	0.0830	"	0.831		46.8	10-141				
Acenaphthene	0.348	0.0416	"	0.831		41.9	30-121				
Acenaphthylene	0.323	0.0416	"	0.831		38.9	30-115				
Acetophenone	0.354	0.0416	"	0.831		42.7	20-112				
Aniline	0.289	0.166	"	0.831		34.8	10-119				
Anthracene	0.352	0.0416	"	0.831		42.4	34-118				
Atrazine	0.423	0.0416	"	0.831		50.9	26-112				
Benzaldehyde	0.373	0.0416	"	0.831		44.9	21-100				
Benzo(a)anthracene	0.347	0.0416	"	0.831		41.7	32-122				
Benzo(a)pyrene	0.331	0.0416	"	0.831		39.8	29-133				
Benzo(b)fluoranthene	0.346	0.0416	"	0.831		41.7	25-133				
Benzo(g,h,i)perylene	0.353	0.0416	"	0.831		42.5	10-143				
Benzo(k)fluoranthene	0.350	0.0416	"	0.831		42.2	25-128				
Benzoic acid	0.189	0.0416	"	0.831		22.8	10-140				
Benzyl alcohol	0.335	0.0416	"	0.831		40.4	30-115				
Benzyl butyl phthalate	0.364	0.0416	"	0.831		43.8	26-126				
Bis(2-chloroethoxy)methane	0.340	0.0416	"	0.831		40.9	19-132				
Bis(2-chloroethyl)ether	0.312	0.0416	"	0.831		37.5	19-125				
Bis(2-chloroisopropyl)ether	0.256	0.0416	"	0.831		30.8	20-135				
Bis(2-ethylhexyl)phthalate	0.374	0.0416	"	0.831		45.1	10-155				
Caprolactam	0.428	0.0830	"	0.831		51.5	10-127				
Carbazole	0.359	0.0416	"	0.831		43.2	35-123				
Chrysene	0.330	0.0416	"	0.831		39.8	32-123				
Dibenzo(a,h)anthracene	0.366	0.0416	"	0.831		44.0	10-136				
Dibenzofuran	0.350	0.0416	"	0.831		42.2	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21539 - EPA 3546 SVOA											
LCS (BE21539-BS1) LCS							Prepared & Analyzed: 05/27/2022				
Diethyl phthalate	0.388	0.0416	mg/kg wet	0.831		46.7	34-116				
Dimethyl phthalate	0.372	0.0416	"	0.831		44.8	35-124				
Di-n-butyl phthalate	0.377	0.0416	"	0.831		45.4	31-116				
Di-n-octyl phthalate	0.372	0.0416	"	0.831		44.8	26-136				
Diphenylamine	0.403	0.0830	"	0.831		48.5	40-140				
Fluoranthene	0.350	0.0416	"	0.831		42.2	33-122				
Fluorene	0.354	0.0416	"	0.831		42.7	29-123				
Hexachlorobenzene	0.329	0.0416	"	0.831		39.6	21-124				
Hexachlorobutadiene	0.444	0.0416	"	0.831		53.4	10-149				
Hexachlorocyclopentadiene	0.359	0.0416	"	0.831		43.2	10-129				
Hexachloroethane	0.353	0.0416	"	0.831		42.6	28-108				
Indeno(1,2,3-cd)pyrene	0.343	0.0416	"	0.831		41.3	10-135				
Isophorone	0.351	0.0416	"	0.831		42.2	20-132				
Naphthalene	0.350	0.0416	"	0.831		42.1	23-124				
Nitrobenzene	0.368	0.0416	"	0.831		44.3	13-132				
N-Nitrosodimethylamine	0.289	0.0416	"	0.831		34.8	11-129				
N-nitroso-di-n-propylamine	0.315	0.0416	"	0.831		37.9	24-119				
N-Nitrosodiphenylamine	0.384	0.0416	"	0.831		46.2	22-152				
Pentachlorophenol	0.276	0.0416	"	0.831		33.3	10-139				
Phenanthrene	0.343	0.0416	"	0.831		41.2	33-123				
Phenol	0.349	0.0416	"	0.831		42.0	23-115				
Pyrene	0.324	0.0416	"	0.831		39.0	24-130				
Pyridine	0.265	0.166	"	0.831		31.9	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.706*		"	*1.66*		*42.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.665*		"	*1.66*		*40.1*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.402*		"	*0.831*		*48.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.354*		"	*0.831*		*42.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.785*		"	*1.66*		*47.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.381*		"	*0.831*		*45.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21539 - EPA 3546 SVOA											
Matrix Spike (BE21539-MS1) Matrix Spike	*Source sample: 22E1082-01 (Matrix Spike)							Prepared & Analyzed: 05/27/2022			
1,1-Biphenyl	0.421	0.0872	mg/kg dry	0.871	ND	48.3	10-130				
1,2,4,5-Tetrachlorobenzene	0.469	0.174	"	0.871	ND	53.8	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.389	0.0872	"	0.871	ND	44.6	10-144				
2,3,4,6-Tetrachlorophenol	0.443	0.174	"	0.871	ND	50.9	30-130				
2,4,5-Trichlorophenol	0.448	0.0872	"	0.871	ND	51.4	10-127				
2,4,6-Trichlorophenol	0.435	0.0872	"	0.871	ND	49.9	10-132				
2,4-Dichlorophenol	0.461	0.0872	"	0.871	ND	52.9	10-128				
2,4-Dimethylphenol	0.426	0.0872	"	0.871	ND	48.9	10-137				
2,4-Dinitrophenol	ND	0.174	"	0.871	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.487	0.0872	"	0.871	ND	55.8	16-135				
2,6-Dinitrotoluene	0.496	0.0872	"	0.871	ND	56.9	18-131				
2-Chloronaphthalene	0.423	0.0872	"	0.871	ND	48.6	10-129				
2-Chlorophenol	0.409	0.0872	"	0.871	ND	46.9	15-116				
2-Methylnaphthalene	0.450	0.0872	"	0.871	ND	51.6	10-147				
2-Methylphenol	0.399	0.0872	"	0.871	ND	45.8	10-136				
2-Nitroaniline	0.452	0.174	"	0.871	ND	51.8	10-137				
2-Nitrophenol	0.445	0.0872	"	0.871	ND	51.1	10-129				
3- & 4-Methylphenols	0.351	0.0872	"	0.871	ND	40.3	10-123				
3,3-Dichlorobenzidine	0.367	0.0872	"	0.871	ND	42.1	10-155				
3-Nitroaniline	0.410	0.174	"	0.871	ND	47.0	12-133				
4,6-Dinitro-2-methylphenol	ND	0.174	"	0.871	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.467	0.0872	"	0.871	ND	53.6	14-128				
4-Chloro-3-methylphenol	0.475	0.0872	"	0.871	ND	54.6	10-134				
4-Chloroaniline	0.360	0.0872	"	0.871	ND	41.3	10-145				
4-Chlorophenyl phenyl ether	0.442	0.0872	"	0.871	ND	50.7	14-130				
4-Nitroaniline	0.403	0.174	"	0.871	ND	46.2	10-147				
4-Nitrophenol	0.429	0.174	"	0.871	ND	49.2	10-137				
Acenaphthene	0.468	0.0872	"	0.871	ND	53.7	10-146				
Acenaphthylene	0.401	0.0872	"	0.871	ND	46.0	10-134				
Acetophenone	0.401	0.0872	"	0.871	ND	46.0	10-116				
Aniline	0.323	0.349	"	0.871	ND	37.1	10-123				
Anthracene	0.534	0.0872	"	0.871	0.0859	51.4	10-142				
Atrazine	0.481	0.0872	"	0.871	ND	55.2	19-115				
Benzaldehyde	0.416	0.0872	"	0.871	ND	47.8	10-125				
Benzo(a)anthracene	0.615	0.0872	"	0.871	0.147	53.7	10-158				
Benzo(a)pyrene	0.571	0.0872	"	0.871	0.134	50.1	10-180				
Benzo(b)fluoranthene	0.565	0.0872	"	0.871	0.119	51.1	10-200				
Benzo(g,h,i)perylene	0.532	0.0872	"	0.871	0.0866	51.1	10-138				
Benzo(k)fluoranthene	0.581	0.0872	"	0.871	0.115	53.5	10-197				
Benzoic acid	0.0899	0.0872	"	0.871	ND	10.3	10-166				
Benzyl alcohol	0.372	0.0872	"	0.871	ND	42.7	12-124				
Benzyl butyl phthalate	0.448	0.0872	"	0.871	ND	51.4	10-154				
Bis(2-chloroethoxy)methane	0.386	0.0872	"	0.871	ND	44.3	10-132				
Bis(2-chloroethyl)ether	0.349	0.0872	"	0.871	ND	40.0	10-119				
Bis(2-chloroisopropyl)ether	0.298	0.0872	"	0.871	ND	34.2	10-139				
Bis(2-ethylhexyl)phthalate	0.459	0.0872	"	0.871	ND	52.7	10-167				
Caprolactam	0.434	0.174	"	0.871	ND	49.8	10-132				
Carbazole	0.489	0.0872	"	0.871	ND	56.2	10-167				
Chrysene	0.593	0.0872	"	0.871	0.145	51.3	10-156				
Dibenzo(a,h)anthracene	0.474	0.0872	"	0.871	ND	54.4	10-137				
Dibenzofuran	0.459	0.0872	"	0.871	ND	52.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21539 - EPA 3546 SVOA											
Matrix Spike (BE21539-MS1) Matrix Spike	*Source sample: 22E1082-01 (Matrix Spike)							Prepared & Analyzed: 05/27/2022			
Diethyl phthalate	0.441	0.0872	mg/kg dry	0.871	ND	50.6	20-120				
Dimethyl phthalate	0.435	0.0872	"	0.871	ND	49.9	18-131				
Di-n-butyl phthalate	0.448	0.0872	"	0.871	ND	51.4	10-137				
Di-n-octyl phthalate	0.463	0.0872	"	0.871	ND	53.1	10-180				
Diphenylamine	0.498	0.174	"	0.871	ND	57.1	40-140				
Fluoranthene	0.911	0.0872	"	0.871	0.357	63.6	10-160				
Fluorene	0.468	0.0872	"	0.871	ND	53.8	10-157				
Hexachlorobenzene	0.429	0.0872	"	0.871	ND	49.3	10-137				
Hexachlorobutadiene	0.535	0.0872	"	0.871	ND	61.4	10-132				
Hexachlorocyclopentadiene	0.136	0.0872	"	0.871	ND	15.6	10-106				
Hexachloroethane	0.395	0.0872	"	0.871	ND	45.4	10-110				
Indeno(1,2,3-cd)pyrene	0.500	0.0872	"	0.871	0.0693	49.4	10-144				
Isophorone	0.411	0.0872	"	0.871	ND	47.1	10-132				
Naphthalene	0.442	0.0872	"	0.871	ND	50.7	10-141				
Nitrobenzene	0.429	0.0872	"	0.871	ND	49.3	10-131				
N-Nitrosodimethylamine	0.304	0.0872	"	0.871	ND	34.9	10-126				
N-nitroso-di-n-propylamine	0.367	0.0872	"	0.871	ND	42.1	10-125				
N-Nitrosodiphenylamine	0.508	0.0872	"	0.871	ND	58.3	10-177				
Pentachlorophenol	0.277	0.0872	"	0.871	ND	31.8	10-153				
Phenanthrene	0.815	0.0872	"	0.871	0.330	55.7	10-148				
Phenol	0.411	0.0872	"	0.871	ND	47.2	10-126				
Pyrene	0.749	0.0872	"	0.871	0.285	53.3	10-165				
Pyridine	0.267	0.349	"	0.871	ND	30.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.741*		"	*1.74*		*42.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.715*		"	*1.74*		*41.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.420*		"	*0.871*		*48.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.385*		"	*0.871*		*44.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.836*		"	*1.74*		*48.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.420*		"	*0.871*		*48.2*	*24-116*				

Batch BE21539 - EPA 3546 SVOA

Matrix Spike Dup (BE21539-M Matrix Spike Dup Source sample: 22E1082-01 (Matrix Spike Dup) Prepared & Analyzed: 05/27/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.392	0.0872	mg/kg dry	0.871	ND	45.0	10-130		7.03	30	
1,2,4,5-Tetrachlorobenzene	0.450	0.174	"	0.871	ND	51.7	10-133		4.09	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.363	0.0872	"	0.871	ND	41.6	10-144		7.05	30	
2,3,4,6-Tetrachlorophenol	0.404	0.174	"	0.871	ND	46.4	30-130		9.21	30	
2,4,5-Trichlorophenol	0.426	0.0872	"	0.871	ND	48.9	10-127		5.10	30	
2,4,6-Trichlorophenol	0.395	0.0872	"	0.871	ND	45.3	10-132		9.75	30	
2,4-Dichlorophenol	0.415	0.0872	"	0.871	ND	47.6	10-128		10.5	30	
2,4-Dimethylphenol	0.395	0.0872	"	0.871	ND	45.3	10-137		7.65	30	
2,4-Dinitrophenol	ND	0.174	"	0.871	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.446	0.0872	"	0.871	ND	51.2	16-135		8.67	30	
2,6-Dinitrotoluene	0.459	0.0872	"	0.871	ND	52.7	18-131		7.59	30	
2-Chloronaphthalene	0.394	0.0872	"	0.871	ND	45.2	10-129		7.17	30	
2-Chlorophenol	0.360	0.0872	"	0.871	ND	41.4	15-116		12.5	30	
2-Methylnaphthalene	0.405	0.0872	"	0.871	ND	46.5	10-147		10.4	30	
2-Methylphenol	0.358	0.0872	"	0.871	ND	41.1	10-136		10.7	30	
2-Nitroaniline	0.412	0.174	"	0.871	ND	47.3	10-137		9.20	30	
2-Nitrophenol	0.415	0.0872	"	0.871	ND	47.7	10-129		6.96	30	
3- & 4-Methylphenols	0.326	0.0872	"	0.871	ND	37.4	10-123		7.62	30	
3,3-Dichlorobenzidine	0.337	0.0872	"	0.871	ND	38.6	10-155		8.52	30	
3-Nitroaniline	0.399	0.174	"	0.871	ND	45.8	12-133		2.58	30	
4,6-Dinitro-2-methylphenol	ND	0.174	"	0.871	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.415	0.0872	"	0.871	ND	47.6	14-128		11.9	30	
4-Chloro-3-methylphenol	0.432	0.0872	"	0.871	ND	49.6	10-134		9.52	30	
4-Chloroaniline	0.341	0.0872	"	0.871	ND	39.1	10-145		5.37	30	
4-Chlorophenyl phenyl ether	0.422	0.0872	"	0.871	ND	48.4	14-130		4.68	30	
4-Nitroaniline	0.377	0.174	"	0.871	ND	43.3	10-147		6.61	30	
4-Nitrophenol	0.389	0.174	"	0.871	ND	44.6	10-137		9.72	30	
Acenaphthene	0.403	0.0872	"	0.871	ND	46.2	10-146		14.9	30	
Acenaphthylene	0.373	0.0872	"	0.871	ND	42.8	10-134		7.21	30	
Acetophenone	0.378	0.0872	"	0.871	ND	43.4	10-116		5.91	30	
Aniline	0.298	0.349	"	0.871	ND	34.2	10-123		8.07	30	
Anthracene	0.459	0.0872	"	0.871	0.0859	42.8	10-142		15.2	30	
Atrazine	0.480	0.0872	"	0.871	ND	55.0	19-115		0.290	30	
Benzaldehyde	0.404	0.0872	"	0.871	ND	46.3	10-125		3.06	30	
Benzo(a)anthracene	0.514	0.0872	"	0.871	0.147	42.1	10-158		17.9	30	
Benzo(a)pyrene	0.488	0.0872	"	0.871	0.134	40.6	10-180		15.7	30	
Benzo(b)fluoranthene	0.494	0.0872	"	0.871	0.119	43.1	10-200		13.3	30	
Benzo(g,h,i)perylene	0.509	0.0872	"	0.871	0.0866	48.5	10-138		4.42	30	
Benzo(k)fluoranthene	0.486	0.0872	"	0.871	0.115	42.6	10-197		17.9	30	
Benzoic acid	0.114	0.0872	"	0.871	ND	13.0	10-166		23.3	30	
Benzyl alcohol	0.365	0.0872	"	0.871	ND	41.9	12-124		1.89	30	
Benzyl butyl phthalate	0.415	0.0872	"	0.871	ND	47.6	10-154		7.60	30	
Bis(2-chloroethoxy)methane	0.345	0.0872	"	0.871	ND	39.6	10-132		11.2	30	
Bis(2-chloroethyl)ether	0.319	0.0872	"	0.871	ND	36.6	10-119		8.99	30	
Bis(2-chloroisopropyl)ether	0.268	0.0872	"	0.871	ND	30.8	10-139		10.6	30	
Bis(2-ethylhexyl)phthalate	0.435	0.0872	"	0.871	ND	49.9	10-167		5.46	30	
Caprolactam	0.413	0.174	"	0.871	ND	47.4	10-132		4.94	30	
Carbazole	0.433	0.0872	"	0.871	ND	49.7	10-167		12.2	30	
Chrysene	0.489	0.0872	"	0.871	0.145	39.5	10-156		19.1	30	
Dibenzo(a,h)anthracene	0.437	0.0872	"	0.871	ND	50.2	10-137		8.11	30	
Dibenzofuran	0.403	0.0872	"	0.871	ND	46.2	10-147		12.9	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE21539 - EPA 3546 SVOA

Matrix Spike Dup (BE21539-M Matrix Spike Dup Source sample: 22E1082-01 (Matrix Spike Dup) Prepared & Analyzed: 05/27/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Diethyl phthalate	0.413	0.0872	mg/kg dry	0.871	ND	47.4	20-120		6.53	30	
Dimethyl phthalate	0.392	0.0872	"	0.871	ND	45.0	18-131		10.3	30	
Di-n-butyl phthalate	0.415	0.0872	"	0.871	ND	47.6	10-137		7.75	30	
Di-n-octyl phthalate	0.415	0.0872	"	0.871	ND	47.7	10-180		10.8	30	
Diphenylamine	0.455	0.174	"	0.871	ND	52.2	40-140		9.08	30	
Fluoranthene	0.654	0.0872	"	0.871	0.357	34.1	10-160		32.9	30	Non-dir.
Fluorene	0.414	0.0872	"	0.871	ND	47.5	10-157		12.3	30	
Hexachlorobenzene	0.412	0.0872	"	0.871	ND	47.3	10-137		4.14	30	
Hexachlorobutadiene	0.467	0.0872	"	0.871	ND	53.6	10-132		13.6	30	
Hexachlorocyclopentadiene	0.0934	0.0872	"	0.871	ND	10.7	10-106		37.1	30	Non-dir.
Hexachloroethane	0.353	0.0872	"	0.871	ND	40.5	10-110		11.4	30	
Indeno(1,2,3-cd)pyrene	0.460	0.0872	"	0.871	0.0693	44.9	10-144		8.28	30	
Isophorone	0.369	0.0872	"	0.871	ND	42.4	10-132		10.5	30	
Naphthalene	0.390	0.0872	"	0.871	ND	44.7	10-141		12.6	30	
Nitrobenzene	0.384	0.0872	"	0.871	ND	44.1	10-131		11.1	30	
N-Nitrosodimethylamine	0.279	0.0872	"	0.871	ND	32.0	10-126		8.61	30	
N-nitroso-di-n-propylamine	0.327	0.0872	"	0.871	ND	37.5	10-125		11.5	30	
N-Nitrosodiphenylamine	0.445	0.0872	"	0.871	ND	51.0	10-177		13.3	30	
Pentachlorophenol	0.270	0.0872	"	0.871	ND	31.0	10-153		2.55	30	
Phenanthrene	0.595	0.0872	"	0.871	0.330	30.4	10-148		31.3	30	Non-dir.
Phenol	0.389	0.0872	"	0.871	ND	44.6	10-126		5.57	30	
Pyrene	0.577	0.0872	"	0.871	0.285	33.5	10-165		26.0	30	
Pyridine	0.266	0.349	"	0.871	ND	30.5	10-83		0.524	30	
Surrogate: SURR: 2-Fluorophenol	*0.708*		"	*1.74*		*40.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.674*		"	*1.74*		*38.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.411*		"	*0.871*		*47.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.371*		"	*0.871*		*42.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.856*		"	*1.74*		*49.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.412*		"	*0.871*		*47.3*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE21577 - EPA 3546 SVOA

Blank (BE21577-BLK1) Blank — Prepared: 05/27/2022 Analyzed: 05/31/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
Blank (BE21577-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*1.38*		"	*1.66*		*82.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.30*		"	*1.66*		*78.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.776*		"	*0.831*		*93.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.675*		"	*0.831*		*81.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.989*		"	*1.66*		*59.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.781*		"	*0.831*		*94.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
LCS (BE21577-BS1) LCS								Prepared: 05/27/2022 Analyzed: 05/31/2022			
1,1-Biphenyl	0.787	0.0416	mg/kg wet	0.831		94.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.804	0.0830	"	0.831		96.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.710	0.0416	"	0.831		85.4	17-137				
2,3,4,6-Tetrachlorophenol	0.921	0.0830	"	0.831		111	30-130				
2,4,5-Trichlorophenol	0.791	0.0416	"	0.831		95.3	27-118				
2,4,6-Trichlorophenol	0.790	0.0416	"	0.831		95.1	31-120				
2,4-Dichlorophenol	0.783	0.0416	"	0.831		94.3	20-127				
2,4-Dimethylphenol	0.762	0.0416	"	0.831		91.7	14-132				
2,4-Dinitrophenol	0.871	0.0830	"	0.831		105	10-171				
2,4-Dinitrotoluene	0.905	0.0416	"	0.831		109	34-131				
2,6-Dinitrotoluene	0.905	0.0416	"	0.831		109	31-128				
2-Chloronaphthalene	0.741	0.0416	"	0.831		89.2	31-117				
2-Chlorophenol	0.740	0.0416	"	0.831		89.1	33-113				
2-Methylnaphthalene	0.735	0.0416	"	0.831		88.5	12-138				
2-Methylphenol	0.768	0.0416	"	0.831		92.5	10-136				
2-Nitroaniline	0.867	0.0830	"	0.831		104	27-132				
2-Nitrophenol	0.860	0.0416	"	0.831		104	17-129				
3- & 4-Methylphenols	0.701	0.0416	"	0.831		84.4	29-103				
3,3-Dichlorobenzidine	1.30	0.0416	"	0.831		156	22-149	High Bias			
3-Nitroaniline	0.763	0.0830	"	0.831		91.9	20-133				
4,6-Dinitro-2-methylphenol	0.865	0.0830	"	0.831		104	10-143				
4-Bromophenyl phenyl ether	0.645	0.0416	"	0.831		77.7	29-120				
4-Chloro-3-methylphenol	0.819	0.0416	"	0.831		98.6	24-129				
4-Chloroaniline	0.622	0.0416	"	0.831		74.8	10-132				
4-Chlorophenyl phenyl ether	0.743	0.0416	"	0.831		89.5	27-124				
4-Nitroaniline	0.778	0.0830	"	0.831		93.7	16-128				
4-Nitrophenol	0.876	0.0830	"	0.831		105	10-141				
Acenaphthene	0.753	0.0416	"	0.831		90.7	30-121				
Acenaphthylene	0.706	0.0416	"	0.831		85.0	30-115				
Acetophenone	0.759	0.0416	"	0.831		91.4	20-112				
Aniline	0.674	0.166	"	0.831		81.2	10-119				
Anthracene	0.797	0.0416	"	0.831		96.0	34-118				
Atrazine	0.851	0.0416	"	0.831		103	26-112				
Benzaldehyde	0.762	0.0416	"	0.831		91.7	21-100				
Benzo(a)anthracene	0.840	0.0416	"	0.831		101	32-122				
Benzo(a)pyrene	0.761	0.0416	"	0.831		91.6	29-133				
Benzo(b)fluoranthene	0.820	0.0416	"	0.831		98.8	25-133				
Benzo(g,h,i)perylene	0.745	0.0416	"	0.831		89.6	10-143				
Benzo(k)fluoranthene	0.758	0.0416	"	0.831		91.3	25-128				
Benzoic acid	0.226	0.0416	"	0.831		27.2	10-140				
Benzyl alcohol	0.772	0.0416	"	0.831		93.0	30-115				
Benzyl butyl phthalate	1.02	0.0416	"	0.831		123	26-126				
Bis(2-chloroethoxy)methane	0.750	0.0416	"	0.831		90.2	19-132				
Bis(2-chloroethyl)ether	0.723	0.0416	"	0.831		87.0	19-125				
Bis(2-chloroisopropyl)ether	0.707	0.0416	"	0.831		85.1	20-135				
Bis(2-ethylhexyl)phthalate	1.08	0.0416	"	0.831		130	10-155				
Caprolactam	0.810	0.0830	"	0.831		97.6	10-127				
Carbazole	0.817	0.0416	"	0.831		98.4	35-123				
Chrysene	0.762	0.0416	"	0.831		91.7	32-123				
Dibenzo(a,h)anthracene	0.753	0.0416	"	0.831		90.6	10-136				
Dibenzofuran	0.750	0.0416	"	0.831		90.4	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
LCS (BE21577-BS1) LCS								Prepared: 05/27/2022 Analyzed: 05/31/2022			
Diethyl phthalate	0.818	0.0416	mg/kg wet	0.831		98.4	34-116				
Dimethyl phthalate	0.800	0.0416	"	0.831		96.3	35-124				
Di-n-butyl phthalate	0.894	0.0416	"	0.831		108	31-116				
Di-n-octyl phthalate	1.22	0.0416	"	0.831		147	26-136	High Bias			
Diphenylamine	0.784	0.0830	"	0.831		94.4	40-140				
Fluoranthene	0.757	0.0416	"	0.831		91.2	33-122				
Fluorene	0.747	0.0416	"	0.831		89.9	29-123				
Hexachlorobenzene	0.772	0.0416	"	0.831		93.0	21-124				
Hexachlorobutadiene	0.763	0.0416	"	0.831		91.9	10-149				
Hexachlorocyclopentadiene	0.696	0.0416	"	0.831		83.8	10-129				
Hexachloroethane	0.746	0.0416	"	0.831		89.8	28-108				
Indeno(1,2,3-cd)pyrene	0.906	0.0416	"	0.831		109	10-135				
Isophorone	0.822	0.0416	"	0.831		99.0	20-132				
Naphthalene	0.739	0.0416	"	0.831		89.0	23-124				
Nitrobenzene	0.814	0.0416	"	0.831		98.0	13-132				
N-Nitrosodimethylamine	0.800	0.0416	"	0.831		96.3	11-129				
N-nitroso-di-n-propylamine	0.756	0.0416	"	0.831		91.1	24-119				
N-Nitrosodiphenylamine	0.789	0.0416	"	0.831		95.0	22-152				
Pentachlorophenol	0.528	0.0416	"	0.831		63.5	10-139				
Phenanthrene	0.764	0.0416	"	0.831		92.0	33-123				
Phenol	0.737	0.0416	"	0.831		88.8	23-115				
Pyrene	0.779	0.0416	"	0.831		93.8	24-130				
Pyridine	0.649	0.166	"	0.831		78.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.49*		*"*	*1.66*		*89.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.44*		*"*	*1.66*		*86.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.866*		*"*	*0.831*		*104*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.768*		*"*	*0.831*		*92.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.25*		*"*	*1.66*		*75.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.857*		*"*	*0.831*		*103*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
Matrix Spike (BE21577-MS1) Matrix Spike	*Source sample: 22E1270-04 (Matrix Spike)							Prepared: 05/27/2022 Analyzed: 05/31/2022			
1,1-Biphenyl	0.667	0.0852	mg/kg dry	0.851	ND	78.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.646	0.170	"	0.851	ND	75.9	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.588	0.0852	"	0.851	ND	69.0	10-144				
2,3,4,6-Tetrachlorophenol	0.699	0.170	"	0.851	ND	82.1	30-130				
2,4,5-Trichlorophenol	0.638	0.0852	"	0.851	ND	75.0	10-127				
2,4,6-Trichlorophenol	0.635	0.0852	"	0.851	ND	74.6	10-132				
2,4-Dichlorophenol	0.649	0.0852	"	0.851	ND	76.2	10-128				
2,4-Dimethylphenol	0.648	0.0852	"	0.851	ND	76.2	10-137				
2,4-Dinitrophenol	0.218	0.170	"	0.851	ND	25.6	10-171				
2,4-Dinitrotoluene	0.724	0.0852	"	0.851	ND	85.1	16-135				
2,6-Dinitrotoluene	0.743	0.0852	"	0.851	ND	87.3	18-131				
2-Chloronaphthalene	0.618	0.0852	"	0.851	ND	72.6	10-129				
2-Chlorophenol	0.588	0.0852	"	0.851	ND	69.1	15-116				
2-Methylnaphthalene	0.616	0.0852	"	0.851	ND	72.4	10-147				
2-Methylphenol	0.635	0.0852	"	0.851	ND	74.6	10-136				
2-Nitroaniline	0.709	0.170	"	0.851	ND	83.3	10-137				
2-Nitrophenol	0.703	0.0852	"	0.851	ND	82.6	10-129				
3- & 4-Methylphenols	0.581	0.0852	"	0.851	ND	68.2	10-123				
3,3-Dichlorobenzidine	0.949	0.0852	"	0.851	ND	112	10-155				
3-Nitroaniline	0.633	0.170	"	0.851	ND	74.3	12-133				
4,6-Dinitro-2-methylphenol	0.377	0.170	"	0.851	ND	44.3	10-155				
4-Bromophenyl phenyl ether	0.494	0.0852	"	0.851	ND	58.0	14-128				
4-Chloro-3-methylphenol	0.705	0.0852	"	0.851	ND	82.9	10-134				
4-Chloroaniline	0.535	0.0852	"	0.851	ND	62.9	10-145				
4-Chlorophenyl phenyl ether	0.596	0.0852	"	0.851	ND	70.1	14-130				
4-Nitroaniline	0.635	0.170	"	0.851	ND	74.6	10-147				
4-Nitrophenol	0.707	0.170	"	0.851	ND	83.0	10-137				
Acenaphthene	0.609	0.0852	"	0.851	ND	71.5	10-146				
Acenaphthylene	0.579	0.0852	"	0.851	ND	68.0	10-134				
Acetophenone	0.644	0.0852	"	0.851	ND	75.7	10-116				
Aniline	0.533	0.341	"	0.851	ND	62.6	10-123				
Anthracene	0.672	0.0852	"	0.851	ND	79.0	10-142				
Atrazine	0.712	0.0852	"	0.851	ND	83.7	19-115				
Benzaldehyde	0.634	0.0852	"	0.851	ND	74.5	10-125				
Benzo(a)anthracene	0.750	0.0852	"	0.851	ND	88.1	10-158				
Benzo(a)pyrene	0.635	0.0852	"	0.851	ND	74.6	10-180				
Benzo(b)fluoranthene	0.703	0.0852	"	0.851	ND	82.6	10-200				
Benzo(g,h,i)perylene	0.700	0.0852	"	0.851	ND	82.2	10-138				
Benzo(k)fluoranthene	0.598	0.0852	"	0.851	ND	70.2	10-197				
Benzoic acid	0.0531	0.0852	"	0.851	ND	6.24	10-166	Low Bias			
Benzyl alcohol	0.609	0.0852	"	0.851	ND	71.6	12-124				
Benzyl butyl phthalate	0.960	0.0852	"	0.851	ND	113	10-154				
Bis(2-chloroethoxy)methane	0.623	0.0852	"	0.851	ND	73.2	10-132				
Bis(2-chloroethyl)ether	0.583	0.0852	"	0.851	ND	68.5	10-119				
Bis(2-chloroisopropyl)ether	0.559	0.0852	"	0.851	ND	65.7	10-139				
Bis(2-ethylhexyl)phthalate	0.959	0.0852	"	0.851	ND	113	10-167				
Caprolactam	0.733	0.170	"	0.851	ND	86.2	10-132				
Carbazole	0.679	0.0852	"	0.851	ND	79.8	10-167				
Chrysene	0.667	0.0852	"	0.851	ND	78.4	10-156				
Dibenzo(a,h)anthracene	0.694	0.0852	"	0.851	ND	81.6	10-137				
Dibenzofuran	0.613	0.0852	"	0.851	ND	72.0	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
Matrix Spike (BE21577-MS1) Matrix Spike	*Source sample: 22E1270-04 (Matrix Spike)										Prepared: 05/27/2022 Analyzed: 05/31/2022
Diethyl phthalate	0.658	0.0852	mg/kg dry	0.851	ND	77.4	20-120				
Dimethyl phthalate	0.648	0.0852	"	0.851	ND	76.2	18-131				
Di-n-butyl phthalate	0.714	0.0852	"	0.851	ND	83.8	10-137				
Di-n-octyl phthalate	1.05	0.0852	"	0.851	ND	123	10-180				
Diphenylamine	0.627	0.170	"	0.851	ND	73.7	40-140				
Fluoranthene	0.586	0.0852	"	0.851	ND	68.8	10-160				
Fluorene	0.602	0.0852	"	0.851	ND	70.7	10-157				
Hexachlorobenzene	0.635	0.0852	"	0.851	ND	74.6	10-137				
Hexachlorobutadiene	0.608	0.0852	"	0.851	ND	71.4	10-132				
Hexachlorocyclopentadiene	0.334	0.0852	"	0.851	ND	39.2	10-106				
Hexachloroethane	0.581	0.0852	"	0.851	ND	68.3	10-110				
Indeno(1,2,3-cd)pyrene	0.803	0.0852	"	0.851	ND	94.4	10-144				
Isophorone	0.690	0.0852	"	0.851	ND	81.0	10-132				
Naphthalene	0.616	0.0852	"	0.851	ND	72.4	10-141				
Nitrobenzene	0.679	0.0852	"	0.851	ND	79.8	10-131				
N-Nitrosodimethylamine	0.651	0.0852	"	0.851	ND	76.5	10-126				
N-nitroso-di-n-propylamine	0.617	0.0852	"	0.851	ND	72.5	10-125				
N-Nitrosodiphenylamine	0.622	0.0852	"	0.851	ND	73.0	10-177				
Pentachlorophenol	0.373	0.0852	"	0.851	ND	43.8	10-153				
Phenanthrene	0.667	0.0852	"	0.851	ND	78.3	10-148				
Phenol	0.600	0.0852	"	0.851	ND	70.5	10-126				
Pyrene	0.750	0.0852	"	0.851	ND	88.1	10-165				
Pyridine	0.552	0.341	"	0.851	ND	64.8	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.19*		"	*1.70*		*69.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		"	*1.70*		*70.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.726*		"	*0.851*		*85.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.629*		"	*0.851*		*73.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.923*		"	*1.70*		*54.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.801*		"	*0.851*		*94.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
Matrix Spike Dup (BE21577-M Matrix Spike Dup	*Source sample: 22E1270-04 (Matrix Spike Dup)								Prepared: 05/27/2022 Analyzed: 05/31/2022		
1,1-Biphenyl	0.732	0.0852	mg/kg dry	0.851	ND	86.0	10-130		9.25	30	
1,2,4,5-Tetrachlorobenzene	0.700	0.170	"	0.851	ND	82.2	10-133		7.99	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.639	0.0852	"	0.851	ND	75.1	10-144		8.44	30	
2,3,4,6-Tetrachlorophenol	0.778	0.170	"	0.851	ND	91.4	30-130		10.8	30	
2,4,5-Trichlorophenol	0.688	0.0852	"	0.851	ND	80.9	10-127		7.60	30	
2,4,6-Trichlorophenol	0.683	0.0852	"	0.851	ND	80.2	10-132		7.23	30	
2,4-Dichlorophenol	0.701	0.0852	"	0.851	ND	82.4	10-128		7.77	30	
2,4-Dimethylphenol	0.699	0.0852	"	0.851	ND	82.2	10-137		7.58	30	
2,4-Dinitrophenol	0.212	0.170	"	0.851	ND	25.0	10-171		2.53	30	
2,4-Dinitrotoluene	0.773	0.0852	"	0.851	ND	90.8	16-135		6.46	30	
2,6-Dinitrotoluene	0.816	0.0852	"	0.851	ND	95.8	18-131		9.35	30	
2-Chloronaphthalene	0.667	0.0852	"	0.851	ND	78.3	10-129		7.64	30	
2-Chlorophenol	0.635	0.0852	"	0.851	ND	74.6	15-116		7.68	30	
2-Methylnaphthalene	0.666	0.0852	"	0.851	ND	78.2	10-147		7.75	30	
2-Methylphenol	0.677	0.0852	"	0.851	ND	79.5	10-136		6.33	30	
2-Nitroaniline	0.788	0.170	"	0.851	ND	92.6	10-137		10.6	30	
2-Nitrophenol	0.746	0.0852	"	0.851	ND	87.7	10-129		5.92	30	
3- & 4-Methylphenols	0.636	0.0852	"	0.851	ND	74.7	10-123		9.07	30	
3,3-Dichlorobenzidine	1.03	0.0852	"	0.851	ND	121	10-155		8.19	30	
3-Nitroaniline	0.689	0.170	"	0.851	ND	81.0	12-133		8.55	30	
4,6-Dinitro-2-methylphenol	0.417	0.170	"	0.851	ND	49.0	10-155		10.1	30	
4-Bromophenyl phenyl ether	0.541	0.0852	"	0.851	ND	63.5	14-128		9.08	30	
4-Chloro-3-methylphenol	0.759	0.0852	"	0.851	ND	89.2	10-134		7.35	30	
4-Chloroaniline	0.600	0.0852	"	0.851	ND	70.5	10-145		11.4	30	
4-Chlorophenyl phenyl ether	0.654	0.0852	"	0.851	ND	76.8	14-130		9.15	30	
4-Nitroaniline	0.676	0.170	"	0.851	ND	79.4	10-147		6.34	30	
4-Nitrophenol	0.774	0.170	"	0.851	ND	91.0	10-137		9.10	30	
Acenaphthene	0.665	0.0852	"	0.851	ND	78.2	10-146		8.87	30	
Acenaphthylene	0.632	0.0852	"	0.851	ND	74.2	10-134		8.77	30	
Acetophenone	0.690	0.0852	"	0.851	ND	81.0	10-116		6.84	30	
Aniline	0.583	0.341	"	0.851	ND	68.5	10-123		8.91	30	
Anthracene	0.734	0.0852	"	0.851	ND	86.2	10-142		8.81	30	
Atrazine	0.782	0.0852	"	0.851	ND	91.9	19-115		9.38	30	
Benzaldehyde	0.674	0.0852	"	0.851	ND	79.2	10-125		6.14	30	
Benzo(a)anthracene	0.792	0.0852	"	0.851	ND	93.0	10-158		5.48	30	
Benzo(a)pyrene	0.673	0.0852	"	0.851	ND	79.0	10-180		5.73	30	
Benzo(b)fluoranthene	0.749	0.0852	"	0.851	ND	88.0	10-200		6.28	30	
Benzo(g,h,i)perylene	0.737	0.0852	"	0.851	ND	86.6	10-138		5.21	30	
Benzo(k)fluoranthene	0.622	0.0852	"	0.851	ND	73.1	10-197		4.02	30	
Benzoic acid	ND	0.0852	"	0.851	ND		10-166	Low Bias		30	
Benzyl alcohol	0.682	0.0852	"	0.851	ND	80.1	12-124		11.2	30	
Benzyl butyl phthalate	1.00	0.0852	"	0.851	ND	118	10-154		4.57	30	
Bis(2-chloroethoxy)methane	0.663	0.0852	"	0.851	ND	77.9	10-132		6.25	30	
Bis(2-chloroethyl)ether	0.625	0.0852	"	0.851	ND	73.4	10-119		6.99	30	
Bis(2-chloroisopropyl)ether	0.594	0.0852	"	0.851	ND	69.8	10-139		6.02	30	
Bis(2-ethylhexyl)phthalate	1.00	0.0852	"	0.851	ND	117	10-167		4.10	30	
Caprolactam	0.782	0.170	"	0.851	ND	91.9	10-132		6.47	30	
Carbazole	0.731	0.0852	"	0.851	ND	85.8	10-167		7.34	30	
Chrysene	0.702	0.0852	"	0.851	ND	82.5	10-156		5.07	30	
Dibenzo(a,h)anthracene	0.737	0.0852	"	0.851	ND	86.6	10-137		5.90	30	
Dibenzofuran	0.663	0.0852	"	0.851	ND	77.9	10-147		7.90	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21577 - EPA 3546 SVOA											
Matrix Spike Dup (BE21577-M Matrix Spike Dup	*Source sample: 22E1270-04 (Matrix Spike Dup)								Prepared: 05/27/2022 Analyzed: 05/31/2022		
Diethyl phthalate	0.715	0.0852	mg/kg dry	0.851	ND	84.0	20-120		8.23	30	
Dimethyl phthalate	0.703	0.0852	"	0.851	ND	82.6	18-131		8.06	30	
Di-n-butyl phthalate	0.765	0.0852	"	0.851	ND	89.8	10-137		6.91	30	
Di-n-octyl phthalate	1.10	0.0852	"	0.851	ND	129	10-180		4.70	30	
Diphenylamine	0.683	0.170	"	0.851	ND	80.2	40-140		8.52	30	
Fluoranthene	0.628	0.0852	"	0.851	ND	73.8	10-160		6.96	30	
Fluorene	0.659	0.0852	"	0.851	ND	77.4	10-157		9.07	30	
Hexachlorobenzene	0.678	0.0852	"	0.851	ND	79.7	10-137		6.64	30	
Hexachlorobutadiene	0.650	0.0852	"	0.851	ND	76.3	10-132		6.61	30	
Hexachlorocyclopentadiene	0.369	0.0852	"	0.851	ND	43.4	10-106		10.1	30	
Hexachloroethane	0.633	0.0852	"	0.851	ND	74.4	10-110		8.52	30	
Indeno(1,2,3-cd)pyrene	0.859	0.0852	"	0.851	ND	101	10-144		6.72	30	
Isophorone	0.740	0.0852	"	0.851	ND	87.0	10-132		7.05	30	
Naphthalene	0.656	0.0852	"	0.851	ND	77.1	10-141		6.31	30	
Nitrobenzene	0.726	0.0852	"	0.851	ND	85.4	10-131		6.78	30	
N-Nitrosodimethylamine	0.698	0.0852	"	0.851	ND	82.0	10-126		6.97	30	
N-nitroso-di-n-propylamine	0.657	0.0852	"	0.851	ND	77.2	10-125		6.31	30	
N-Nitrosodiphenylamine	0.686	0.0852	"	0.851	ND	80.6	10-177		9.89	30	
Pentachlorophenol	0.379	0.0852	"	0.851	ND	44.6	10-153		1.63	30	
Phenanthrene	0.714	0.0852	"	0.851	ND	83.8	10-148		6.81	30	
Phenol	0.635	0.0852	"	0.851	ND	74.6	10-126		5.73	30	
Pyrene	0.794	0.0852	"	0.851	ND	93.3	10-165		5.73	30	
Pyridine	0.588	0.341	"	0.851	ND	69.0	10-83		6.34	30	
Surrogate: SURR: 2-Fluorophenol	*1.30*		"	*1.70*		*76.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.25*		"	*1.70*		*73.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.787*		"	*0.851*		*92.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.679*		"	*0.851*		*79.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.978*		"	*1.70*		*57.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.834*		"	*0.851*		*98.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21582 - EPA 3550C												
Blank (BE21582-BLK1)	Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*396*		*"*	*495*		*80.0*	*39-127.5*				
LCS (BE21582-BS1)	LCS									Prepared: 05/27/2022 Analyzed: 05/31/2022		
1,4-Dioxane		550	19.8	ug/kg	495		111	40-130				
Surrogate: 1,4-Dioxane-d8		*356*		*"*	*495*		*72.0*	*39-127.5*				
Matrix Spike (BE21582-MS1)	Matrix Spike	*Source sample: 22E1140-03 (Matrix Spike)								Prepared: 05/27/2022 Analyzed: 05/31/2022		
1,4-Dioxane		551	19.8	ug/kg	495	ND	111	40-130				
Surrogate: 1,4-Dioxane-d8		*347*		*"*	*495*		*70.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21583 - SPE Ext-PFAS-EPA 537.1M											
Blank (BE21583-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*84.5*		"	*74.3*		*114*	*25-150*				
Surrogate: M5PFHxA	*75.5*		"	*80.0*		*94.4*	*25-150*				
Surrogate: M4PFHpA	*63.8*		"	*80.0*		*79.7*	*25-150*				
Surrogate: M3PFHxS	*78.9*		"	*75.7*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.2*		"	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*69.0*		"	*80.0*		*86.2*	*25-150*				
Surrogate: M7PFUdA	*71.2*		"	*80.0*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.1*		"	*80.0*		*81.4*	*25-150*				
Surrogate: M2PFTeDA	*47.6*		"	*80.0*		*59.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*85.9*		"	*80.0*		*107*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.2*		"	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.6*		"	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.9*		"	*80.0*		*54.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.1*		"	*80.0*		*77.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.7*		"	*80.0*		*95.9*	*25-150*				
Surrogate: M2-6:2 FTS	*82.9*		"	*75.9*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*109*		"	*76.6*		*142*	*25-200*				
Surrogate: M9PFNA	*71.7*		"	*80.0*		*89.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21583 - SPE Ext-PFAS-EPA 537.1M											
LCS (BE21583-BS1) LCS									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Perfluorobutanesulfonic acid (PFBS)	77.0	2.00	ng/L	70.8		109	50-130				
Perfluorohexanoic acid (PFHxA)	82.9	2.00	"	80.0		104	50-130				
Perfluoroheptanoic acid (PFHpA)	97.1	2.00	"	80.0		121	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.1	2.00	"	72.8		113	50-130				
Perfluorooctanoic acid (PFOA)	84.6	2.00	"	80.0		106	50-130				
Perfluorooctanesulfonic acid (PFOS)	77.8	2.00	"	74.0		105	50-130				
Perfluorononanoic acid (PFNA)	85.7	2.00	"	80.0		107	50-130				
Perfluorodecanoic acid (PFDA)	91.3	2.00	"	80.0		114	50-130				
Perfluoroundecanoic acid (PFUnA)	78.6	2.00	"	80.0		98.3	50-130				
Perfluorododecanoic acid (PFDoA)	86.5	2.00	"	80.0		108	50-130				
Perfluorotridecanoic acid (PFTrDA)	76.9	2.00	"	80.0		96.1	50-130				
Perfluorotetradecanoic acid (PFTA)	84.5	2.00	"	80.0		106	50-130				
N-MeFOSAA	85.4	2.00	"	80.0		107	50-130				
N-EtFOSAA	84.2	2.00	"	80.0		105	50-130				
Perfluoropentanoic acid (PFPeA)	82.3	2.00	"	80.0		103	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	86.4	2.00	"	80.0		108	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.9	2.00	"	76.4		116	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	68.6	2.00	"	77.2		88.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	74.0	5.00	"	76.0		97.4	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	76.5	2.00	"	76.8		99.6	50-175				
Perfluoro-n-butanoic acid (PFBA)	83.4	2.00	"	80.0		104	50-130				
Surrogate: M3PFBS	*71.5*		"	*74.3*		*96.2*	*25-150*				
Surrogate: M5PFHxA	*73.7*		"	*80.0*		*92.2*	*25-150*				
Surrogate: M4PFHpA	*64.5*		"	*80.0*		*80.6*	*25-150*				
Surrogate: M3PFHxS	*71.9*		"	*75.7*		*95.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.6*		"	*80.0*		*89.4*	*25-150*				
Surrogate: M6PFDA	*63.3*		"	*80.0*		*79.1*	*25-150*				
Surrogate: M7PFUdA	*74.3*		"	*80.0*		*92.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.8*		"	*80.0*		*82.2*	*25-150*				
Surrogate: M2PFTeDA	*63.2*		"	*80.0*		*79.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.4*		"	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.7*		"	*76.6*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.6*		"	*80.0*		*97.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*55.4*		"	*80.0*		*69.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.0*		"	*80.0*		*78.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*61.1*		"	*80.0*		*76.4*	*25-150*				
Surrogate: M2-6:2 FTS	*79.4*		"	*75.9*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*86.9*		"	*76.6*		*113*	*25-200*				
Surrogate: M9PFNA	*71.0*		"	*80.0*		*88.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21583 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BE21583-MS1) Matrix Spike	*Source sample: 22E1265-05 (Matrix Spike)								Prepared: 05/27/2022 Analyzed: 06/01/2022		
Perfluorobutanesulfonic acid (PFBS)	76.9	9.62	ng/L	68.1	42.6	50.4	25-150				
Perfluorohexanoic acid (PFHxA)	251	9.62	"	76.9	162	116	25-150				
Perfluoroheptanoic acid (PFHpA)	195	9.62	"	76.9	127	88.9	25-150				
Perfluorohexanesulfonic acid (PFHxS)	116	9.62	"	70.0	28.5	126	25-150				
Perfluorooctanoic acid (PFOA)	1230	9.62	"	76.9	1120	153	25-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	796	9.62	"	71.2	770	36.6	25-150				
Perfluorononanoic acid (PFNA)	243	9.62	"	76.9	161	107	25-150				
Perfluorodecanoic acid (PFDA)	111	9.62	"	76.9	37.2	95.8	25-150				
Perfluoroundecanoic acid (PFUnA)	78.6	9.62	"	76.9	ND	102	25-150				
Perfluorododecanoic acid (PFDoA)	82.4	9.62	"	76.9	ND	107	25-150				
Perfluorotridecanoic acid (PFTrDA)	76.9	9.62	"	76.9	ND	100	25-150				
Perfluorotetradecanoic acid (PFTA)	83.0	9.62	"	76.9	ND	108	25-150				
N-MeFOSAA	60.7	9.62	"	76.9	ND	78.9	25-150				
N-EtFOSAA	68.6	9.62	"	76.9	ND	89.2	25-150				
Perfluoropentanoic acid (PFPeA)	215	9.62	"	76.9	152	82.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	89.7	9.62	"	76.9	ND	117	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.0	9.62	"	73.5	ND	120	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	65.9	9.62	"	74.2	ND	88.7	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	57.7	24.0	"	73.1	ND	78.9	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	52.6	9.62	"	73.8	ND	71.2	25-200				
Perfluoro-n-butanoic acid (PFBA)	149	9.62	"	76.9	77.8	92.1	25-150				
Surrogate: M3PFBS	*97.3*		*"*	*71.5*		*136*	*25-150*				
Surrogate: M5PFHxA	*59.4*		*"*	*76.9*		*77.2*	*25-150*				
Surrogate: M4PFHpA	*64.3*		*"*	*76.9*		*83.6*	*25-150*				
Surrogate: M3PFHxS	*67.1*		*"*	*72.8*		*92.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*62.3*		*"*	*76.9*		*81.0*	*25-150*				
Surrogate: M6PFDA	*70.0*		*"*	*76.9*		*91.0*	*25-150*				
Surrogate: M7PFUdA	*64.6*		*"*	*76.9*		*84.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.5*		*"*	*76.9*		*83.9*	*25-150*				
Surrogate: M2PFTeDA	*63.7*		*"*	*76.9*		*82.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.3*		*"*	*76.9*		*106*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.7*		*"*	*73.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.7*		*"*	*76.9*		*98.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*16.3*		*"*	*76.9*		*21.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*83.4*		*"*	*76.9*		*108*	*25-150*				
Surrogate: d5-N-EtFOSAA	*82.9*		*"*	*76.9*		*108*	*25-150*				
Surrogate: M2-6:2 FTS	*199*		*"*	*73.0*		*273*	*25-200*				
Surrogate: M2-8:2 FTS	*165*		*"*	*73.7*		*223*	*25-200*				
Surrogate: M9PFNA	*71.1*		*"*	*76.9*		*92.4*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE21583 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BE21583-MS2) Matrix Spike *Source sample: 22E1265-05 (Matrix Spike) Prepared: 05/27/2022 Analyzed: 06/01/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	84.2	38.5	ng/L	68.1	42.6	61.0	25-150				
Perfluorohexanoic acid (PFHxA)	254	38.5	"	76.9	162	120	25-150				
Perfluoroheptanoic acid (PFHpA)	191	38.5	"	76.9	127	83.6	25-150				
Perfluorohexanesulfonic acid (PFHxS)	139	38.5	"	70.0	ND	199	25-150	High Bias			
Perfluorooctanoic acid (PFOA)	1240	38.5	"	76.9	1120	158	25-150	High Bias			
Perfluorooctanesulfonic acid (PFOS)	685	38.5	"	71.2	770	NR	25-150	Low Bias			
Perfluorononanoic acid (PFNA)	239	38.5	"	76.9	161	102	25-150				
Perfluorodecanoic acid (PFDA)	69.3	38.5	"	76.9	ND	90.1	25-150				
Perfluoroundecanoic acid (PFUnA)	70.8	38.5	"	76.9	ND	92.0	25-150				
Perfluorododecanoic acid (PFDoA)	73.8	38.5	"	76.9	ND	95.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	ND	38.5	"	76.9	ND		25-150	Low Bias			
Perfluorotetradecanoic acid (PFTA)	66.5	38.5	"	76.9	ND	86.5	25-150				
N-MeFOSAA	56.2	38.5	"	76.9	ND	73.1	25-150				
N-EtFOSAA	72.3	38.5	"	76.9	ND	94.0	25-150				
Perfluoropentanoic acid (PFPeA)	221	38.5	"	76.9	152	89.5	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	93.2	38.5	"	76.9	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.8	38.5	"	73.5	ND	121	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	ND	38.5	"	74.2	ND		25-150	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	96.2	"	73.1	ND		25-200	Low Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	72.7	38.5	"	73.8	ND	98.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	136	38.5	"	76.9	77.8	76.1	25-150				
Surrogate: M3PFBS	*77.6*		"	*71.5*		*109*	*25-150*				
Surrogate: M5PFHxA	*52.2*		"	*76.9*		*67.8*	*25-150*				
Surrogate: M4PFHpA	*50.8*		"	*76.9*		*66.1*	*25-150*				
Surrogate: M3PFHxS	*45.4*		"	*72.8*		*62.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*48.3*		"	*76.9*		*62.8*	*25-150*				
Surrogate: M6PFDA	*72.5*		"	*76.9*		*94.2*	*25-150*				
Surrogate: M7PFUdA	*50.3*		"	*76.9*		*65.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*45.0*		"	*76.9*		*58.5*	*25-150*				
Surrogate: M2PFTeDA	*46.8*		"	*76.9*		*60.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.7*		"	*76.9*		*84.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*60.6*		"	*73.6*		*82.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.2*		"	*76.9*		*80.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*10.5*		"	*76.9*		*13.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*80.0*		"	*76.9*		*104*	*25-150*				
Surrogate: d5-N-EtFOSAA	*51.4*		"	*76.9*		*66.9*	*25-150*				
Surrogate: M2-6:2 FTS	*73.3*		"	*73.0*		*100*	*25-200*				
Surrogate: M2-8:2 FTS	*82.6*		"	*73.7*		*112*	*25-200*				
Surrogate: M9PFNA	*52.4*		"	*76.9*		*68.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21583 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BE21583-M Matrix Spike Dup	*Source sample: 22E1265-05 (Matrix Spike Dup)								Prepared: 05/27/2022 Analyzed: 06/01/2022		
Perfluorobutanesulfonic acid (PFBS)	96.2	9.47	ng/L	67.0	42.6	79.9	25-150		22.3	35	
Perfluorohexanoic acid (PFHxA)	230	9.47	"	75.8	162	89.6	25-150		9.02	35	
Perfluoroheptanoic acid (PFHpA)	172	9.47	"	75.8	127	60.6	25-150		12.2	35	
Perfluorohexanesulfonic acid (PFHxS)	86.1	9.47	"	68.9	28.5	83.5	25-150		30.0	35	
Perfluorooctanoic acid (PFOA)	1170	9.47	"	75.8	1120	77.4	25-150		4.88	35	
Perfluorooctanesulfonic acid (PFOS)	696	9.47	"	70.1	770	NR	25-150	Low Bias	13.4	35	
Perfluorononanoic acid (PFNA)	213	9.47	"	75.8	161	69.3	25-150		13.0	35	
Perfluorodecanoic acid (PFDA)	98.2	9.47	"	75.8	37.2	80.5	25-150		12.1	35	
Perfluoroundecanoic acid (PFUnA)	69.9	9.47	"	75.8	ND	92.3	25-150		11.7	35	
Perfluorododecanoic acid (PFDoA)	72.4	9.47	"	75.8	ND	95.5	25-150		13.0	35	
Perfluorotridecanoic acid (PFTrDA)	55.2	9.47	"	75.8	ND	72.8	25-150		32.9	35	
Perfluorotetradecanoic acid (PFTA)	64.7	9.47	"	75.8	ND	85.4	25-150		24.8	35	
N-MeFOSAA	65.7	9.47	"	75.8	ND	86.8	25-150		8.00	35	
N-EtFOSAA	63.8	9.47	"	75.8	ND	84.2	25-150		7.31	35	
Perfluoropentanoic acid (PFPeA)	208	9.47	"	75.8	152	74.2	25-150		3.24	35	
Perfluoro-1-octanesulfonamide (FOSA)	96.9	9.47	"	75.8	ND	128	25-150		7.64	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.7	9.47	"	72.3	ND	105	25-150		15.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	73.4	9.47	"	73.1	ND	100	25-150		10.8	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	66.1	23.7	"	72.0	ND	91.8	25-200		13.6	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	66.2	9.47	"	72.7	ND	91.0	25-200		22.9	35	
Perfluoro-n-butanoic acid (PFBA)	142	9.47	"	75.8	77.8	84.6	25-150		4.65	35	
Surrogate: M3PFBS	*82.8*		"	*70.4*		*118*	*25-150*				
Surrogate: M5PFHxA	*63.0*		"	*75.8*		*83.2*	*25-150*				
Surrogate: M4PFHpA	*69.8*		"	*75.8*		*92.1*	*25-150*				
Surrogate: M3PFHxS	*84.9*		"	*71.7*		*118*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*64.9*		"	*75.8*		*85.6*	*25-150*				
Surrogate: M6PFDA	*80.7*		"	*75.8*		*106*	*25-150*				
Surrogate: M7PFUdA	*75.6*		"	*75.8*		*99.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.9*		"	*75.8*		*94.9*	*25-150*				
Surrogate: M2PFTeDA	*79.5*		"	*75.8*		*105*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*86.4*		"	*75.8*		*114*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.3*		"	*72.5*		*115*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.4*		"	*75.8*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*16.8*		"	*75.8*		*22.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*73.3*		"	*75.8*		*96.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*91.4*		"	*75.8*		*121*	*25-150*				
Surrogate: M2-6:2 FTS	*192*		"	*71.9*		*267*	*25-200*				
Surrogate: M2-8:2 FTS	*163*		"	*72.6*		*225*	*25-200*				
Surrogate: M9PFNA	*80.5*		"	*75.8*		*106*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE21583 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BE21583-M Matrix Spike Dup *Source sample: 22E1265-05 (Matrix Spike Dup) Prepared: 05/27/2022 Analyzed: 06/01/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	949	37.9	ng/L	67.0	42.6	NR	25-150	High Bias	167	35	Non-dir.
Perfluorohexanoic acid (PFHxA)	227	37.9	"	75.8	162	85.7	25-150		11.3	35	
Perfluoroheptanoic acid (PFHpA)	170	37.9	"	75.8	127	57.9	25-150		11.3	35	
Perfluorohexanesulfonic acid (PFHxS)	106	37.9	"	68.9	ND	153	25-150	High Bias	27.2	35	
Perfluorooctanoic acid (PFOA)	1240	37.9	"	75.8	1120	163	25-150	High Bias	0.160	35	
Perfluorooctanesulfonic acid (PFOS)	568	37.9	"	70.1	770	NR	25-150	Low Bias	18.6	35	
Perfluorononanoic acid (PFNA)	278	37.9	"	75.8	161	154	25-150	High Bias	14.9	35	
Perfluorodecanoic acid (PFDA)	83.3	37.9	"	75.8	ND	110	25-150		18.4	35	
Perfluoroundecanoic acid (PFUnA)	63.9	37.9	"	75.8	ND	84.4	25-150		10.2	35	
Perfluorododecanoic acid (PFDoA)	71.2	37.9	"	75.8	ND	94.0	25-150		3.51	35	
Perfluorotridecanoic acid (PFTrDA)	60.1	37.9	"	75.8	ND	79.3	25-150		93.8	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	62.7	37.9	"	75.8	ND	82.8	25-150		5.91	35	
N-MeFOSAA	83.7	37.9	"	75.8	ND	110	25-150		39.3	35	Non-dir.
N-EtFOSAA	52.7	37.9	"	75.8	ND	69.5	25-150		31.4	35	
Perfluoropentanoic acid (PFPeA)	210	37.9	"	75.8	152	76.2	25-150		5.15	35	
Perfluoro-1-octanesulfonamide (FOSA)	ND	37.9	"	75.8	ND		25-150	Low Bias		35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	60.6	37.9	"	72.3	ND	83.7	25-150		37.8	35	Non-dir.
Perfluoro-1-decanesulfonic acid (PFDS)	49.0	37.9	"	73.1	ND	67.0	25-150		26.1	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	94.7	"	72.0	ND		25-200	Low Bias		35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	118	37.9	"	72.7	ND	162	25-200		47.5	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	141	37.9	"	75.8	77.8	82.8	25-150		3.02	35	
Surrogate: M3PFBS	*6.00*		"	*70.4*		*8.52*	*25-150*				
Surrogate: M5PFHxA	*58.6*		"	*75.8*		*77.3*	*25-150*				
Surrogate: M4PFHpA	*60.4*		"	*75.8*		*79.7*	*25-150*				
Surrogate: M3PFHxS	*55.0*		"	*71.7*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*49.9*		"	*75.8*		*65.9*	*25-150*				
Surrogate: M6PFDA	*61.9*		"	*75.8*		*81.7*	*25-150*				
Surrogate: M7PFUdA	*61.3*		"	*75.8*		*80.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.4*		"	*75.8*		*65.2*	*25-150*				
Surrogate: M2PFTeDA	*54.0*		"	*75.8*		*71.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*66.4*		"	*75.8*		*87.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.4*		"	*72.5*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*64.1*		"	*75.8*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*16.5*		"	*75.8*		*21.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*45.9*		"	*75.8*		*60.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.3*		"	*75.8*		*84.9*	*25-150*				
Surrogate: M2-6:2 FTS	*87.0*		"	*71.9*		*121*	*25-200*				
Surrogate: M2-8:2 FTS	*57.4*		"	*72.6*		*79.1*	*25-200*				
Surrogate: M9PFNA	*51.9*		"	*75.8*		*68.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21584 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BE21584-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 06/01/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.243	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	1.34	0.243	"								
Perfluoroheptanoic acid (PFHpA)	0.983	0.243	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.243	"								
Perfluorooctanoic acid (PFOA)	1.59	0.243	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.243	"								
Perfluorononanoic acid (PFNA)	0.357	0.243	"								
Perfluorodecanoic acid (PFDA)	ND	0.243	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.243	"								
Perfluorododecanoic acid (PFDoA)	ND	0.243	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.243	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.243	"								
N-MeFOSAA	ND	0.243	"								
N-EtFOSAA	ND	0.243	"								
Perfluoropentanoic acid (PFPeA)	ND	0.243	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.243	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.243	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.243	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.243	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.243	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.243	"								
Surrogate: M3PFBS	*5.67*		"	*4.51*		*126*	*25-150*				
Surrogate: M5PFHxA	*4.64*		"	*4.86*		*95.4*	*25-150*				
Surrogate: M4PFHpA	*3.84*		"	*4.86*		*79.1*	*25-150*				
Surrogate: M3PFHxS	*4.67*		"	*4.60*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.44*		"	*4.86*		*91.4*	*25-150*				
Surrogate: M6PFDA	*2.86*		"	*4.86*		*58.8*	*25-150*				
Surrogate: M7PFUdA	*2.95*		"	*4.86*		*60.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.10*		"	*4.86*		*63.7*	*25-150*				
Surrogate: M2PFTeDA	*2.34*		"	*4.86*		*48.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*5.07*		"	*4.86*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.02*		"	*4.65*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.28*		"	*4.86*		*109*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.79*		"	*4.86*		*57.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*1.87*		"	*4.86*		*38.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.88*		"	*4.86*		*59.4*	*25-150*				
Surrogate: M2-6:2 FTS	*8.25*		"	*4.61*		*179*	*25-200*				
Surrogate: M2-8:2 FTS	*6.60*		"	*4.65*		*142*	*25-200*				
Surrogate: M9PFNA	*3.80*		"	*4.86*		*78.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21584 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BE21584-BS1) LCS								Prepared: 05/27/2022 Analyzed: 06/01/2022			
Perfluorobutanesulfonic acid (PFBS)	4.50	0.246	ug/kg wet	4.36		103	50-130				
Perfluorohexanoic acid (PFHxA)	5.52	0.246	"	4.92		112	50-130				
Perfluoroheptanoic acid (PFHpA)	5.58	0.246	"	4.92		113	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.12	0.246	"	4.48		92.1	50-130				
Perfluorooctanoic acid (PFOA)	4.50	0.246	"	4.92		91.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.59	0.246	"	4.55		123	50-130				
Perfluorononanoic acid (PFNA)	5.00	0.246	"	4.92		102	50-130				
Perfluorodecanoic acid (PFDA)	5.65	0.246	"	4.92		115	50-130				
Perfluoroundecanoic acid (PFUnA)	5.16	0.246	"	4.92		105	50-130				
Perfluorododecanoic acid (PFDoA)	5.87	0.246	"	4.92		119	50-130				
Perfluorotridecanoic acid (PFTrDA)	2.94	0.246	"	4.92		59.7	50-130				
Perfluorotetradecanoic acid (PFTA)	7.45	0.246	"	4.92		151	50-130	High Bias			
N-MeFOSAA	5.13	0.246	"	4.92		104	50-130				
N-EtFOSAA	5.69	0.246	"	4.92		116	50-130				
Perfluoropentanoic acid (PFPeA)	5.22	0.246	"	4.92		106	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.86	0.246	"	4.92		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.14	0.246	"	4.70		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.55	0.246	"	4.75		95.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.08	0.246	"	4.67		109	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.25	0.246	"	4.72		111	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.28	0.246	"	4.92		107	50-130				
Surrogate: M3PFBS	*4.48*		*"*	*4.57*		*98.0*	*25-150*				
Surrogate: M5PFHxA	*4.12*		*"*	*4.92*		*83.7*	*25-150*				
Surrogate: M4PFHpA	*4.03*		*"*	*4.92*		*81.9*	*25-150*				
Surrogate: M3PFHxS	*4.06*		*"*	*4.66*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.81*		*"*	*4.92*		*97.8*	*25-150*				
Surrogate: M6PFDA	*3.59*		*"*	*4.92*		*72.9*	*25-150*				
Surrogate: M7PFUdA	*3.44*		*"*	*4.92*		*69.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.81*		*"*	*4.92*		*57.0*	*25-150*				
Surrogate: M2PFTeDA	*1.96*		*"*	*4.92*		*39.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.19*		*"*	*4.92*		*85.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.62*		*"*	*4.71*		*76.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.28*		*"*	*4.92*		*87.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.61*		*"*	*4.92*		*73.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.28*		*"*	*4.92*		*66.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.11*		*"*	*4.92*		*63.1*	*25-150*				
Surrogate: M2-6:2 FTS	*3.89*		*"*	*4.67*		*83.3*	*25-200*				
Surrogate: M2-8:2 FTS	*5.64*		*"*	*4.71*		*120*	*25-200*				
Surrogate: M9PFNA	*4.10*		*"*	*4.92*		*83.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE21584 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BE21584-MS1) Matrix Spike *Source sample: 22E1108-03 (Matrix Spike) Prepared: 05/27/2022 Analyzed: 06/01/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.56	0.257	ug/kg dry	4.54	ND	100	25-150				
Perfluorohexanoic acid (PFHxA)	5.73	0.257	"	5.13	ND	112	25-150				
Perfluoroheptanoic acid (PFHpA)	5.67	0.257	"	5.13	ND	111	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.16	0.257	"	4.67	ND	89.0	25-150				
Perfluorooctanoic acid (PFOA)	5.12	0.257	"	5.13	ND	99.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.09	0.257	"	4.75	ND	107	25-150				
Perfluorononanoic acid (PFNA)	5.35	0.257	"	5.13	ND	104	25-150				
Perfluorodecanoic acid (PFDA)	5.42	0.257	"	5.13	ND	106	25-150				
Perfluoroundecanoic acid (PFUnA)	5.85	0.257	"	5.13	ND	114	25-150				
Perfluorododecanoic acid (PFDoA)	6.12	0.257	"	5.13	ND	119	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.23	0.257	"	5.13	ND	82.3	25-150				
Perfluorotetradecanoic acid (PFTA)	7.84	0.257	"	5.13	ND	153	25-150	High Bias			
N-MeFOSAA	5.23	0.257	"	5.13	ND	102	25-150				
N-EtFOSAA	5.10	0.257	"	5.13	ND	99.4	25-150				
Perfluoropentanoic acid (PFPeA)	5.45	0.257	"	5.13	ND	106	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.93	0.257	"	5.13	ND	116	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.67	0.257	"	4.90	ND	116	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.18	0.257	"	4.95	ND	84.4	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.80	0.257	"	4.88	ND	98.4	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	4.56	0.257	"	4.93	ND	92.5	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.56	0.257	"	5.13	ND	108	25-150				
Surrogate: M3PFBS	*4.77*		*"*	*4.77*		*100*	*25-150*				
Surrogate: M5PFHxA	*4.05*		*"*	*5.13*		*78.9*	*25-150*				
Surrogate: M4PFHpA	*4.10*		*"*	*5.13*		*79.8*	*25-150*				
Surrogate: M3PFHxS	*4.34*		*"*	*4.86*		*89.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.25*		*"*	*5.13*		*82.7*	*25-150*				
Surrogate: M6PFDA	*3.38*		*"*	*5.13*		*65.8*	*25-150*				
Surrogate: M7PFUdA	*2.99*		*"*	*5.13*		*58.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.88*		*"*	*5.13*		*56.1*	*25-150*				
Surrogate: M2PFTeDA	*2.23*		*"*	*5.13*		*43.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.05*		*"*	*5.13*		*78.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.89*		*"*	*4.91*		*79.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.19*		*"*	*5.13*		*81.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.96*		*"*	*5.13*		*57.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.07*		*"*	*5.13*		*59.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.41*		*"*	*5.13*		*66.4*	*25-150*				
Surrogate: M2-6:2 FTS	*5.83*		*"*	*4.87*		*120*	*25-200*				
Surrogate: M2-8:2 FTS	*6.33*		*"*	*4.92*		*129*	*25-200*				
Surrogate: M9PFNA	*3.75*		*"*	*5.13*		*73.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21584 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BE21584-M Matrix Spike Dup	*Source sample: 22E1108-03 (Matrix Spike Dup)								Prepared: 05/27/2022 Analyzed: 06/01/2022		
Perfluorobutanesulfonic acid (PFBS)	4.86	0.260	ug/kg dry	4.59	ND	106	25-150		6.31	35	
Perfluorohexanoic acid (PFHxA)	5.59	0.260	"	5.19	ND	108	25-150		2.49	35	
Perfluoroheptanoic acid (PFHpA)	5.19	0.260	"	5.19	ND	99.9	25-150		8.92	35	
Perfluorohexanesulfonic acid (PFHxS)	4.20	0.260	"	4.72	ND	89.0	25-150		1.13	35	
Perfluorooctanoic acid (PFOA)	5.23	0.260	"	5.19	ND	101	25-150		2.05	35	
Perfluorooctanesulfonic acid (PFOS)	5.48	0.260	"	4.80	ND	114	25-150		7.38	35	
Perfluorononanoic acid (PFNA)	4.94	0.260	"	5.19	ND	95.2	25-150		7.97	35	
Perfluorodecanoic acid (PFDA)	5.88	0.260	"	5.19	ND	113	25-150		8.10	35	
Perfluoroundecanoic acid (PFUnA)	5.54	0.260	"	5.19	ND	107	25-150		5.45	35	
Perfluorododecanoic acid (PFDoA)	5.76	0.260	"	5.19	ND	111	25-150		6.10	35	
Perfluorotridecanoic acid (PFTrDA)	3.75	0.260	"	5.19	ND	72.3	25-150		11.9	35	
Perfluorotetradecanoic acid (PFTA)	7.48	0.260	"	5.19	ND	144	25-150		4.64	35	
N-MeFOSAA	6.00	0.260	"	5.19	ND	116	25-150		13.8	35	
N-EtFOSAA	5.50	0.260	"	5.19	ND	106	25-150		7.52	35	
Perfluoropentanoic acid (PFPeA)	5.37	0.260	"	5.19	ND	103	25-150		1.50	35	
Perfluoro-1-octanesulfonamide (FOSA)	6.02	0.260	"	5.19	ND	116	25-150		1.59	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.96	0.260	"	4.96	ND	120	25-150		5.00	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.49	0.260	"	5.01	ND	89.7	25-150		7.22	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.89	0.260	"	4.93	ND	99.1	25-200		1.85	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.44	0.260	"	4.98	ND	109	25-200		17.6	35	
Perfluoro-n-butanoic acid (PFBA)	5.56	0.260	"	5.19	ND	107	25-150		0.109	35	
Surrogate: M3PFBS	*4.60*		"	*4.82*		*95.4*	*25-150*				
Surrogate: M5PFHxA	*4.42*		"	*5.19*		*85.2*	*25-150*				
Surrogate: M4PFHpA	*4.31*		"	*5.19*		*83.1*	*25-150*				
Surrogate: M3PFHxS	*4.35*		"	*4.91*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.39*		"	*5.19*		*84.6*	*25-150*				
Surrogate: M6PFDA	*3.77*		"	*5.19*		*72.7*	*25-150*				
Surrogate: M7PFUdA	*3.77*		"	*5.19*		*72.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.40*		"	*5.19*		*65.5*	*25-150*				
Surrogate: M2PFTeDA	*2.46*		"	*5.19*		*47.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.24*		"	*5.19*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.05*		"	*4.97*		*81.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.41*		"	*5.19*		*84.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.33*		"	*5.19*		*64.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.27*		"	*5.19*		*63.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.58*		"	*5.19*		*68.9*	*25-150*				
Surrogate: M2-6:2 FTS	*6.31*		"	*4.93*		*128*	*25-200*				
Surrogate: M2-8:2 FTS	*5.98*		"	*4.97*		*120*	*25-200*				
Surrogate: M9PFNA	*4.52*		"	*5.19*		*87.0*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21580 - EPA 3550C											
Blank (BE21580-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0438*		*"*	*0.0664*		*66.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0667*		*"*	*0.0664*		*100*	*30-150*				
LCS (BE21580-BS1) LCS									Prepared: 05/27/2022 Analyzed: 05/31/2022		
4,4'-DDD	0.0266	0.00164	mg/kg wet	0.0332		79.9	40-140				
4,4'-DDE	0.0237	0.00164	"	0.0332		71.3	40-140				
4,4'-DDT	0.0155	0.00164	"	0.0332		46.7	40-140				
Aldrin	0.0371	0.00164	"	0.0332		112	40-140				
alpha-BHC	0.0378	0.00164	"	0.0332		114	40-140				
alpha-Chlordane	0.0333	0.00164	"	0.0332		100	40-140				
beta-BHC	0.0302	0.00164	"	0.0332		91.0	40-140				
delta-BHC	0.0323	0.00164	"	0.0332		97.3	40-140				
Dieldrin	0.0332	0.00164	"	0.0332		99.9	40-140				
Endosulfan I	0.0394	0.00164	"	0.0332		119	40-140				
Endosulfan II	0.0332	0.00164	"	0.0332		99.8	40-140				
Endosulfan sulfate	0.0296	0.00164	"	0.0332		89.1	40-140				
Endrin	0.0198	0.00164	"	0.0332		59.5	40-140				
Endrin aldehyde	0.0305	0.00164	"	0.0332		91.7	40-140				
Endrin ketone	0.0304	0.00164	"	0.0332		91.6	40-140				
gamma-BHC (Lindane)	0.0340	0.00164	"	0.0332		102	40-140				
gamma-Chlordane	0.0325	0.00164	"	0.0332		97.9	40-140				
Heptachlor	0.0252	0.00164	"	0.0332		75.8	40-140				
Heptachlor epoxide	0.0346	0.00164	"	0.0332		104	40-140				
Methoxychlor	0.0136	0.00164	"	0.0332		41.0	40-140				
Surrogate: Decachlorobiphenyl	*0.0473*		*"*	*0.0664*		*71.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0709*		*"*	*0.0664*		*107*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21580 - EPA 3550C											
Matrix Spike (BE21580-MS1) Matrix Spike	*Source sample: 22E1310-04 (Matrix Spike)								Prepared: 05/27/2022 Analyzed: 05/31/2022		
4,4'-DDD	0.0234	0.00164	mg/kg wet	0.0332	ND	70.5	30-150				
4,4'-DDE	0.0214	0.00164	"	0.0332	ND	64.3	30-150				
4,4'-DDT	0.0108	0.00164	"	0.0332	ND	32.6	30-150				
Aldrin	0.0341	0.00164	"	0.0332	ND	103	30-150				
alpha-BHC	0.0344	0.00164	"	0.0332	ND	104	30-150				
alpha-Chlordane	0.0310	0.00164	"	0.0332	ND	93.2	30-150				
beta-BHC	0.0274	0.00164	"	0.0332	ND	82.4	30-150				
delta-BHC	0.0290	0.00164	"	0.0332	ND	87.2	30-150				
Dieldrin	0.0303	0.00164	"	0.0332	ND	91.3	30-150				
Endosulfan I	0.0361	0.00164	"	0.0332	ND	109	30-150				
Endosulfan II	0.0306	0.00164	"	0.0332	ND	92.1	30-150				
Endosulfan sulfate	0.0274	0.00164	"	0.0332	ND	82.4	30-150				
Endrin	0.0169	0.00164	"	0.0332	ND	50.9	30-150				
Endrin aldehyde	0.0275	0.00164	"	0.0332	ND	82.9	30-150				
Endrin ketone	0.0285	0.00164	"	0.0332	ND	85.7	30-150				
gamma-BHC (Lindane)	0.0311	0.00164	"	0.0332	ND	93.6	30-150				
gamma-Chlordane	0.0302	0.00164	"	0.0332	ND	91.0	30-150				
Heptachlor	0.0218	0.00164	"	0.0332	ND	65.7	30-150				
Heptachlor epoxide	0.0322	0.00164	"	0.0332	ND	97.0	30-150				
Methoxychlor	0.0141	0.00164	"	0.0332	ND	42.4	30-150				
Surrogate: Decachlorobiphenyl	*0.0426*		*"*	*0.0664*		*64.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0658*		*"*	*0.0664*		*99.0*	*30-150*				
Matrix Spike Dup (BE21580-M Matrix Spike Dup	*Source sample: 22E1310-04 (Matrix Spike Dup)								Prepared: 05/27/2022 Analyzed: 05/31/2022		
4,4'-DDD	0.0242	0.00164	mg/kg wet	0.0332	ND	72.7	30-150		3.09	30	
4,4'-DDE	0.0211	0.00164	"	0.0332	ND	63.6	30-150		1.14	30	
4,4'-DDT	0.00869	0.00164	"	0.0332	ND	26.2	30-150	Low Bias	21.9	30	
Aldrin	0.0342	0.00164	"	0.0332	ND	103	30-150		0.122	30	
alpha-BHC	0.0345	0.00164	"	0.0332	ND	104	30-150		0.371	30	
alpha-Chlordane	0.0312	0.00164	"	0.0332	ND	93.9	30-150		0.679	30	
beta-BHC	0.0277	0.00164	"	0.0332	ND	83.4	30-150		1.25	30	
delta-BHC	0.0293	0.00164	"	0.0332	ND	88.0	30-150		0.936	30	
Dieldrin	0.0307	0.00164	"	0.0332	ND	92.3	30-150		1.19	30	
Endosulfan I	0.0367	0.00164	"	0.0332	ND	110	30-150		1.60	30	
Endosulfan II	0.0313	0.00164	"	0.0332	ND	94.1	30-150		2.12	30	
Endosulfan sulfate	0.0298	0.00164	"	0.0332	ND	89.8	30-150		8.53	30	
Endrin	0.0176	0.00164	"	0.0332	ND	53.1	30-150		4.17	30	
Endrin aldehyde	0.0292	0.00164	"	0.0332	ND	87.8	30-150		5.78	30	
Endrin ketone	0.0296	0.00164	"	0.0332	ND	89.2	30-150		3.96	30	
gamma-BHC (Lindane)	0.0316	0.00164	"	0.0332	ND	95.1	30-150		1.61	30	
gamma-Chlordane	0.0305	0.00164	"	0.0332	ND	91.7	30-150		0.810	30	
Heptachlor	0.0234	0.00164	"	0.0332	ND	70.3	30-150		6.83	30	
Heptachlor epoxide	0.0325	0.00164	"	0.0332	ND	97.9	30-150		0.919	30	
Methoxychlor	0.00993	0.00164	"	0.0332	ND	29.9	30-150	Low Bias	34.6	30	Non-dir.
Surrogate: Decachlorobiphenyl	*0.0467*		*"*	*0.0664*		*70.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0659*		*"*	*0.0664*		*99.1*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21580 - EPA 3550C											
Blank (BE21580-BLK2) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0741*		*"*	*0.0664*		*112*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0658*		*"*	*0.0664*		*99.0*	*30-150*				
LCS (BE21580-BS2) LCS									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Aroclor 1016	0.345	0.0166	mg/kg wet	0.332		104	40-140			30	
Aroclor 1260	0.339	0.0166	"	0.332		102	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0714*		*"*	*0.0664*		*108*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0701*		*"*	*0.0664*		*106*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21578 - EPA 3550C/8151A											
Blank (BE21578-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.281*		*"*	*0.415*		*67.6*	*21-150*				
LCS (BE21578-BS1) LCS									Prepared: 05/27/2022 Analyzed: 05/31/2022		
2,4,5-T	0.0930	0.0199	mg/kg wet	0.133		70.0	10-120				
2,4,5-TP (Silvex)	0.0980	0.0199	"	0.133		73.7	10-120				
2,4-D	0.110	0.0199	"	0.133		82.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.320*		*"*	*0.415*		*77.0*	*21-150*				
Matrix Spike (BE21578-MS1) Matrix Spike *Source sample: 22E1286-02 (Matrix Spike)									Prepared: 05/27/2022 Analyzed: 05/31/2022		
2,4,5-T	0.0233	0.0199	mg/kg wet	0.133	ND	17.5	10-120				
2,4,5-TP (Silvex)	ND	0.0199	"	0.133	ND		10-120	Low Bias			
2,4-D	0.0291	0.0199	"	0.133	ND	21.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.00831*		*"*	*0.415*		*2.00*	*21-150*				
Matrix Spike Dup (BE21578-M Matrix Spike Dup *Source sample: 22E1286-02 (Matrix Spike Dup)									Prepared: 05/27/2022 Analyzed: 05/31/2022		
2,4,5-T	0.0257	0.0199	mg/kg wet	0.133	ND	19.4	10-120		10.2	35	
2,4,5-TP (Silvex)	ND	0.0199	"	0.133	ND		10-120	Low Bias		35	
2,4-D	0.0307	0.0199	"	0.133	ND	23.1	10-118		5.56	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0108*		*"*	*0.415*		*2.60*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21556 - EPA 3050B											
Blank (BE21556-BLK1) Blank									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BE21556-DUP1) Duplicate *Source sample: 22E1262-02 (EP70_-5.5)									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Aluminum	7650	5.60	mg/kg dry		5090				40.2	35	Non-dir.
Antimony	ND	2.80	"		ND					35	
Arsenic	ND	1.68	"		ND					35	
Barium	57.4	2.80	"		39.2				37.6	35	Non-dir.
Beryllium	0.307	0.056	"		0.201				42.0	35	Non-dir.
Cadmium	ND	0.336	"		ND					35	
Calcium	1560	5.60	"		1250				22.3	35	
Chromium	25.7	0.560	"		21.5				17.6	35	
Cobalt	10.3	0.448	"		8.10				23.8	35	
Copper	24.1	2.24	"		26.3				8.54	35	
Iron	20400	28.0	"		13800				38.4	35	Non-dir.
Lead	4.90	0.560	"		5.88				18.1	35	
Magnesium	6060	5.60	"		3360				57.4	35	Non-dir.
Manganese	295	0.560	"		333				11.9	35	
Nickel	95.7	1.12	"		84.2				12.8	35	
Potassium	2160	5.60	"		998				73.6	35	Non-dir.
Selenium	ND	2.80	"		ND					35	
Silver	ND	0.560	"		ND					35	
Sodium	162	56.0	"		141				14.1	35	
Thallium	ND	2.80	"		ND					35	
Vanadium	23.2	1.12	"		19.6				17.0	35	
Zinc	23.9	2.80	"		22.5				5.70	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21556 - EPA 3050B											
Matrix Spike (BE21556-MS1) Matrix Spike	*Source sample: 22E1262-02 (EP70_-5.5)							Prepared: 05/27/2022 Analyzed: 05/31/2022			
Aluminum	4770	5.60	mg/kg dry	224	5090	NR	75-125	Low Bias			
Antimony	9.71	2.80	"	28.0	ND	34.7	75-125	Low Bias			
Arsenic	218	1.68	"	224	ND	97.4	75-125				
Barium	263	2.80	"	224	39.2	99.9	75-125				
Beryllium	5.50	0.056	"	5.60	0.201	94.6	75-125				
Cadmium	5.16	0.336	"	5.60	ND	92.1	75-125				
Calcium	1290	5.60	"	112	1250	35.7	75-125	Low Bias			
Chromium	38.8	0.560	"	22.4	21.5	76.9	75-125				
Cobalt	63.2	0.448	"	56.0	8.10	98.4	75-125				
Copper	47.4	2.24	"	28.0	26.3	75.3	75-125				
Iron	11000	28.0	"	112	13800	NR	75-125	Low Bias			
Lead	60.9	0.560	"	56.0	5.88	98.3	75-125				
Magnesium	2780	5.60	"	112	3360	NR	75-125	Low Bias			
Manganese	254	0.560	"	56.0	333	NR	75-125	Low Bias			
Nickel	130	1.12	"	56.0	84.2	82.5	75-125				
Potassium	1070	5.60	"	112	998	68.1	75-125	Low Bias			
Selenium	180	2.80	"	224	ND	80.4	75-125				
Silver	3.23	0.560	"	5.60	ND	57.6	75-125	Low Bias			
Sodium	240	56.0	"	112	141	88.8	75-125				
Thallium	246	2.80	"	224	ND	110	75-125				
Vanadium	72.5	1.12	"	56.0	19.6	94.5	75-125				
Zinc	71.7	2.80	"	56.0	22.5	87.8	75-125				
Post Spike (BE21556-PS1) Post Spike	*Source sample: 22E1262-02 (EP70_-5.5)							Prepared: 05/27/2022 Analyzed: 05/31/2022			
Aluminum	53.8		ug/mL	2.00	45.4	419	75-125	High Bias			
Antimony	0.254		"	0.250	-0.023	102	75-125				
Arsenic	2.03		"	2.00	0.015	101	75-125				
Barium	2.43		"	2.00	0.350	104	75-125				
Beryllium	0.050		"	0.0500	0.002	95.6	75-125				
Cadmium	0.046		"	0.0500	-0.001	92.6	75-125				
Calcium	13.8		"	1.00	11.1	269	75-125	High Bias			
Chromium	0.379		"	0.200	0.192	93.2	75-125				
Cobalt	0.587		"	0.500	0.072	103	75-125				
Copper	0.480		"	0.250	0.235	98.1	75-125				
Iron	141		"	1.00	123	NR	75-125	High Bias			
Lead	0.582		"	0.500	0.052	106	75-125				
Magnesium	35.3		"	1.00	30.0	535	75-125	High Bias			
Manganese	3.43		"	0.500	2.97	91.6	75-125				
Nickel	1.27		"	0.500	0.752	103	75-125				
Potassium	11.3		"	1.00	8.91	235	75-125	High Bias			
Selenium	1.65		"	2.00	-0.080	82.7	75-125				
Silver	0.032		"	0.0500	-0.017	64.4	75-125	Low Bias			
Sodium	2.65		"	1.00	1.26	139	75-125	High Bias			
Thallium	2.29		"	2.00	-0.048	115	75-125				
Vanadium	0.660		"	0.500	0.175	97.1	75-125				
Zinc	0.692		"	0.500	0.201	98.1	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21556 - EPA 3050B											
Reference (BE21556-SRM1) Reference									Prepared: 05/27/2022 Analyzed: 05/31/2022		
Aluminum	9260	5.00	mg/kg wet	10100		91.6	39.5-118.8				
Antimony	81.3	2.50	"	244		33.3	10-123				
Arsenic	110	1.50	"	109		101	63.7-118.3				
Barium	389	2.50	"	364		107	70.3-117				
Beryllium	55.9	0.050	"	57.0		98.1	69.3-115.4				
Cadmium	44.9	0.300	"	48.7		92.2	67.8-112.9				
Calcium	5250	5.00	"	5190		101	66.3-116.6				
Chromium	171	0.500	"	173		99.1	65.3-120.8				
Cobalt	150	0.400	"	148		101	70.3-117.6				
Copper	191	2.00	"	179		106	70.9-117.9				
Iron	15100	25.0	"	15000		101	36.8-162.7				
Lead	107	0.500	"	101		106	69.1-126.7				
Magnesium	2530	5.00	"	2570		98.3	56.4-124.9				
Manganese	385	0.500	"	370		104	72.2-119.2				
Nickel	60.2	1.00	"	52.2		115	63.4-117.8				
Potassium	2220	5.00	"	2420		91.9	49.6-118.6				
Selenium	73.8	2.50	"	104		70.9	58.5-122.1				
Silver	25.4	0.500	"	29.9		85.0	63.5-123.7				
Sodium	140	50.0	"	161		87.2	30.1-139.1				
Thallium	91.6	2.50	"	101		90.7	59.8-120.8				
Vanadium	194	1.00	"	194		99.9	73.2-117				
Zinc	420	2.50	"	431		97.4	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21664 - EPA 7473 soil												
Blank (BE21664-BLK1)	Blank								Prepared & Analyzed: 05/31/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BE21664-DUP1)	Duplicate	*Source sample: 22E1079-13 (Duplicate)							Prepared & Analyzed: 05/31/2022			
Mercury		ND	0.0327	mg/kg dry		ND					35	
Matrix Spike (BE21664-MS1)	Matrix Spike	*Source sample: 22E1079-13 (Matrix Spike)							Prepared & Analyzed: 05/31/2022			
Mercury		0.512		mg/kg	0.500	0.00440	101	75-125				
Reference (BE21664-SRM1)	Reference								Prepared & Analyzed: 05/31/2022			
Mercury		25.364		mg/kg	27.2		93.3	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21550 - EPA SW846-3060												
Blank (BE21550-BLK1)	Blank								Prepared & Analyzed: 05/27/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BE21550-DUP1)	Duplicate	*Source sample: 22E1262-01 (EP65_-5.5)							Prepared & Analyzed: 05/27/2022			
Chromium, Hexavalent		ND	0.571	mg/kg dry		ND					35	
Matrix Spike (BE21550-MS1)	Matrix Spike	*Source sample: 22E1262-01 (EP65_-5.5)							Prepared & Analyzed: 05/27/2022			
Chromium, Hexavalent		21.9	0.571	mg/kg dry	22.9	ND	96.0	75-125				
Reference (BE21550-SRM1)	Reference								Prepared & Analyzed: 05/27/2022			
Chromium, Hexavalent		93.8		mg/L	109		86.0	30-169.7				
Batch BE21562 - Analysis Preparation Soil												
Blank (BE21562-BLK1)	Blank								Prepared & Analyzed: 05/27/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BE21562-DUP1)	Duplicate	*Source sample: 22E1284-02 (Duplicate)							Prepared & Analyzed: 05/27/2022			
Cyanide, total		ND	0.500	mg/kg wet		ND					15	
Matrix Spike (BE21562-MS1)	Matrix Spike	*Source sample: 22E1284-02 (Matrix Spike)							Prepared & Analyzed: 05/27/2022			
Cyanide, total		7.32	0.500	mg/kg wet	10.0	ND	73.2	79.6-107	Low Bias			
Reference (BE21562-SRM1)	Reference								Prepared & Analyzed: 05/27/2022			
Cyanide, total		95.0		ug/mL	86.8		109	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE21555 - % Solids Prep											
Duplicate (BE21555-DUP1) Duplicate	*Source sample: 22E1262-02 (EP70_-5.5)								Prepared & Analyzed: 05/27/2022		
% Solids	88.6	0.100	%		89.3				0.769	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22E1262-01	EP65_-5.5	40mL Vial with Stir Bar-Cool 4° C
22E1262-02	EP70_-5.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E1767

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170610601	RUSH - Next Day
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5460	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seaman	Contact:	Contact:		RUSH - Four Day
E-mail: kseaman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York [X]; New Jersey [ ]; Connecticut [ ]; Pennsylvania [ ]; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP65_-5.5	S	05/26/22 0800	TCL/Part 375 VOCs, SVOCs	
EP70_-5.5	S	05/26/22 1025	PCBs, pesticides, herbacides metals including cyanide, hex + trivalent chromium, PFAS 1,4-dioxane	
FB01_PFAS_05262022	QA/QC	5/26/22 0815	PFAS	

Comments: cc' lesmaile@langan.com; masonica@langan.com for all correspondence

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction: Field Filtered [ ]; Lab to Filter [ ]

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	5/26/22 1441	Andrew S. York	5/26/22 1441	Andrew S York	5/26/22 530 pm
2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
K Burkyork	5/26/22 530pm	K Burkyork	5/26/22 1930		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				TC	5/26/22 1930 / 2.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 08/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H0638

Report Date: 08/17/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H0638

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 10, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22H0638-01	EP64_7.5	Soil	08/10/2022	08/10/2022
22H0638-02	EP73_7.5	Soil	08/10/2022	08/10/2022
22H0638-03	FB01_PFAS_08102022	Water	08/10/2022	08/10/2022

General Notes for York Project (SDG) No.: 22H0638

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 08/17/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	**1,2-Dichloroethane**	**0.0026**	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C	08/11/2022 06:17	08/11/2022 13:34	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.0 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0947**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.111**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0755**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0947**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0755**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.116**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0926	0.185	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.124**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0859**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.0562**	J	mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.154**		mg/kg dry	0.0464	0.0926	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	08/12/2022 07:18	08/14/2022 15:39	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*44.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*41.9 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*37.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*46.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*66.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*57.7 %*	*24-116*

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/15/2022 13:23	08/17/2022 11:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.273	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 12:41	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.8 %*	*25-150*
Surrogate: M5PFHxA	*113 %*	*25-150*
Surrogate: M4PFHpA	*104 %*	*25-150*
Surrogate: M3PFHxS	*89.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.7 %*	*25-150*
Surrogate: M6PFDA	*98.0 %*	*25-150*
Surrogate: M7PFUdA	*82.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.6 %*	*25-150*
Surrogate: M2PFTeDA	*74.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*95.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*92.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*93.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*88.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*86.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*118 %*	*25-200*
Surrogate: M9PFNA	*97.0 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:10	BJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:10	BJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:10	BJ

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0366	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:10	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.5 %*	*30-150*

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:33	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*110 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A	08/13/2022 07:36	08/16/2022 02:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A	08/13/2022 07:36	08/16/2022 02:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A	08/13/2022 07:36	08/16/2022 02:50	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*60.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7170**		mg/kg dry	5.78	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**4.58**		mg/kg dry	2.89	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP64_7.5** **York Sample ID:** **22H0638-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**3.35**		mg/kg dry	1.73	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**52.2**		mg/kg dry	2.89	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.347	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2510**		mg/kg dry	5.78	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**36.6**		mg/kg dry	0.578	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**16.8**		mg/kg dry	0.462	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**34.2**		mg/kg dry	2.31	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21000**		mg/kg dry	28.9	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**87.1**		mg/kg dry	0.578	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5920**		mg/kg dry	5.78	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**335**		mg/kg dry	0.578	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**207**		mg/kg dry	1.16	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**983**		mg/kg dry	5.78	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.578	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**226**		mg/kg dry	57.8	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.4**		mg/kg dry	1.16	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**122**		mg/kg dry	2.89	1	EPA 6010D	08/11/2022 09:24	08/12/2022 19:03	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: EP64_7.5 **York Sample ID:** 22H0638-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 2:45 pm	08/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.263**		mg/kg dry	0.0335	1	EPA 7473	08/15/2022 10:07	08/15/2022 16:53	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.559	1	EPA 7196A	08/15/2022 08:17	08/15/2022 13:40	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**36.6**		mg/kg	0.500	1	Calculation	08/16/2022 17:39	08/16/2022 18:03	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.559	1	EPA 9014/9010C	08/15/2022 17:00	08/16/2022 18:32	RST
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	08/12/2022 13:51	08/14/2022 22:00	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	**1,2-Dichloroethane**	**0.0032**	J	mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	08/11/2022 06:17	08/11/2022 14:03	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.1 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0473**	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.190**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.220**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.143**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.176**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.162**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.188**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.295**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.170**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.113**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.291**		mg/kg dry	0.0471	0.0939	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D	08/12/2022 07:18	08/14/2022 16:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*54.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*49.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*52.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*89.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*70.3 %*	*24-116*

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/15/2022 13:23	08/17/2022 11:52	KH

Surrogate Recoveries	Result	Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.80**		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.284	1	EPA 537m Certifications:	08/11/2022 09:59	08/12/2022 13:20	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.7 %*	*25-150*
Surrogate: M5PFHxA	*110 %*	*25-150*
Surrogate: M4PFHpA	*98.7 %*	*25-150*
Surrogate: M3PFHxS	*108 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.3 %*	*25-150*
Surrogate: M6PFDA	*86.7 %*	*25-150*
Surrogate: M7PFUdA	*81.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.1 %*	*25-150*
Surrogate: M2PFTeDA	*79.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*108 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*93.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*24.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*84.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*104 %*	*25-150*
Surrogate: M2-6:2 FTS	*175 %*	*25-200*
Surrogate: M2-8:2 FTS	*174 %*	*25-200*
Surrogate: M9PFNA	*97.7 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:28	BJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:28	BJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/12/2022 13:14	08/16/2022 01:28	BJ

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0379	5	EPA 8081B	08/12/2022 13:14	08/16/2022 01:28	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.6 %*	*30-150*

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND	PCB-I	mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A	08/12/2022 13:14	08/15/2022 20:47	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0230	1	EPA 8151A	08/13/2022 07:36	08/16/2022 03:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A	08/13/2022 07:36	08/16/2022 03:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0230	1	EPA 8151A	08/13/2022 07:36	08/16/2022 03:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*61.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11600**		mg/kg dry	5.88	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.50**		mg/kg dry	2.94	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**8.97**		mg/kg dry	1.76	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**953**		mg/kg dry	2.94	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.353	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**12100**	B	mg/kg dry	5.88	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**32.5**		mg/kg dry	0.588	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**12.8**		mg/kg dry	0.470	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**60.8**		mg/kg dry	2.35	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16100**		mg/kg dry	29.4	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**452**	B	mg/kg dry	0.588	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9430**	B	mg/kg dry	5.88	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**203**		mg/kg dry	0.588	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**133**		mg/kg dry	1.18	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**889**		mg/kg dry	5.88	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.588	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**877**		mg/kg dry	58.8	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.94	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**34.1**		mg/kg dry	1.18	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**292**		mg/kg dry	2.94	1	EPA 6010D	08/11/2022 11:56	08/15/2022 19:14	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP73_7.5 **York Sample ID:** 22H0638-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Soil	August 10, 2022 3:00 pm	08/10/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.585**		mg/kg dry	0.0347	1	EPA 7473	08/15/2022 10:07	08/15/2022 17:02	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.578	1	EPA 7196A	08/15/2022 08:17	08/15/2022 13:40	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**32.5**		mg/kg	0.500	1	Calculation	08/16/2022 17:39	08/16/2022 18:03	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.578	1	EPA 9014/9010C	08/15/2022 17:00	08/16/2022 18:32	RST
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.5**		%	0.100	1	SM 2540G	08/12/2022 13:51	08/14/2022 22:00	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_08102022** **York Sample ID:** **22H0638-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Water	August 10, 2022 3:15 pm	08/10/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	08/12/2022 09:43	08/12/2022 15:38	WEL

Sample Information

Client Sample ID: **FB01_PFAS_08102022** **York Sample ID:** **22H0638-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0638	170610601	Water	August 10, 2022 3:15 pm	08/10/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m	08/12/2022 09:43	08/12/2022 15:38	WEL
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.4 %*	*25-150*
Surrogate: M5PFHxA	*104 %*	*25-150*
Surrogate: M4PFHpA	*91.8 %*	*25-150*
Surrogate: M3PFHxS	*81.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*90.3 %*	*25-150*
Surrogate: M6PFDA	*81.4 %*	*25-150*
Surrogate: M7PFUdA	*83.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*73.3 %*	*25-150*
Surrogate: M2PFTeDA	*64.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*93.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*85.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*97.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*112 %*	*25-200*
Surrogate: M9PFNA	*89.0 %*	*25-150*

Analytical Batch Summary

Batch ID: BH20268 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/11/22
22H0638-02	EP73_7.5	08/11/22
BH20268-BLK1	Blank	08/11/22
BH20268-BS1	LCS	08/11/22
BH20268-BSD1	LCS Dup	08/11/22

Batch ID: BH20688 **Preparation Method:** EPA 3050B **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/11/22
BH20688-BLK1	Blank	08/11/22
BH20688-DUP1	Duplicate	08/11/22
BH20688-MS1	Matrix Spike	08/11/22
BH20688-PS1	Post Spike	08/11/22
BH20688-SRM1	Reference	08/11/22

Batch ID: BH20694 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ESJ

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/11/22
22H0638-02	EP73_7.5	08/11/22
BH20694-BLK1	Blank	08/11/22
BH20694-BS1	LCS	08/11/22
BH20694-MS1	Matrix Spike	08/11/22
BH20694-MSD1	Matrix Spike Dup	08/11/22

Batch ID: BH20707 **Preparation Method:** EPA 3050B **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-02	EP73_7.5	08/11/22
BH20707-BLK1	Blank	08/11/22
BH20707-DUP1	Duplicate	08/11/22
BH20707-MS1	Matrix Spike	08/11/22
BH20707-PS1	Post Spike	08/11/22
BH20707-SRM1	Reference	08/11/22

Batch ID: BH20759 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/12/22
22H0638-02	EP73_7.5	08/12/22
BH20759-BLK1	Blank	08/12/22
BH20759-BS1	LCS	08/12/22

BH20759-MS1	Matrix Spike	08/12/22
BH20759-MSD1	Matrix Spike Dup	08/12/22

Batch ID: BH20778 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ESJ

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-03	FB01_PFAS_08102022	08/12/22
BH20778-BLK1	Blank	08/12/22
BH20778-BS1	LCS	08/12/22
BH20778-BSD1	LCS Dup	08/12/22

Batch ID: BH20807 **Preparation Method:** EPA 3550C **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/12/22
22H0638-01	EP64_7.5	08/12/22
22H0638-02	EP73_7.5	08/12/22
22H0638-02	EP73_7.5	08/12/22
BH20807-BLK1	Blank	08/12/22
BH20807-BLK2	Blank	08/12/22
BH20807-BS1	LCS	08/12/22
BH20807-BS2	LCS	08/12/22

Batch ID: BH20819 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/12/22
22H0638-02	EP73_7.5	08/12/22
BH20819-DUP1	Duplicate	08/12/22

Batch ID: BH20849 **Preparation Method:** EPA 3550C/8151A **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/13/22
22H0638-02	EP73_7.5	08/13/22
BH20849-BLK1	Blank	08/15/22
BH20849-BS1	LCS	08/15/22
BH20849-MS1	Matrix Spike	08/15/22
BH20849-MS2	Matrix Spike	08/15/22
BH20849-MSD1	Matrix Spike Dup	08/15/22
BH20849-MSD2	Matrix Spike Dup	08/15/22

Batch ID: BH20870 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/15/22
22H0638-02	EP73_7.5	08/15/22
BH20870-BLK1	Blank	08/15/22

BH20870-DUP1	Duplicate	08/15/22
BH20870-MS1	Matrix Spike	08/15/22
BH20870-SRM1	Reference	08/15/22

Batch ID: BH20903 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/15/22
22H0638-02	EP73_7.5	08/15/22
BH20903-BLK1	Blank	08/15/22
BH20903-DUP1	Duplicate	08/15/22
BH20903-MS1	Matrix Spike	08/15/22
BH20903-SRM1	Reference	08/15/22

Batch ID: BH20912 **Preparation Method:** EPA 3550C **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/15/22
22H0638-02	EP73_7.5	08/15/22
BH20912-BLK1	Blank	08/15/22
BH20912-BS1	LCS	08/15/22

Batch ID: BH20935 **Preparation Method:** Analysis Preparation Soil **Prepared By:** RST

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/15/22
22H0638-02	EP73_7.5	08/15/22
BH20935-BLK1	Blank	08/15/22
BH20935-DUP1	Duplicate	08/15/22
BH20935-MS1	Matrix Spike	08/15/22
BH20935-SRM1	Reference	08/15/22

Batch ID: BH21019 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22H0638-01	EP64_7.5	08/16/22
22H0638-02	EP73_7.5	08/16/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20268 - EPA 5035A											
Blank (BH20268-BLK1) Blank									Prepared & Analyzed: 08/11/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20268 - EPA 5035A											
Blank (BH20268-BLK1) Blank									Prepared & Analyzed: 08/11/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.5*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.7*		*"*	*50.0*		*95.5*	*76-130*				
LCS (BH20268-BS1) LCS									Prepared & Analyzed: 08/11/2022		
1,1,1,2-Tetrachloroethane	56.9		ug/L	50.0		114	75-129				
1,1,1-Trichloroethane	56.6		"	50.0		113	71-137				
1,1,2,2-Tetrachloroethane	54.6		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.1		"	50.0		106	58-146				
1,1,2-Trichloroethane	54.3		"	50.0		109	83-123				
1,1-Dichloroethane	53.7		"	50.0		107	75-130				
1,1-Dichloroethylene	53.7		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	52.8		"	50.0		106	81-140				
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126				
1,2,4-Trichlorobenzene	54.6		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	53.7		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	47.6		"	50.0		95.1	74-142				
1,2-Dibromoethane	57.4		"	50.0		115	86-123				
1,2-Dichlorobenzene	52.4		"	50.0		105	85-122				
1,2-Dichloroethane	55.9		"	50.0		112	71-133				
1,2-Dichloropropane	55.2		"	50.0		110	81-122				
1,3,5-Trimethylbenzene	52.3		"	50.0		105	82-126				
1,3-Dichlorobenzene	53.1		"	50.0		106	84-124				
1,4-Dichlorobenzene	53.1		"	50.0		106	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2-Butanone	52.1		"	50.0		104	58-147				
2-Hexanone	54.3		"	50.0		109	70-139				
4-Methyl-2-pentanone	55.3		"	50.0		111	72-132				
Acetone	64.0		"	50.0		128	36-155				
Acrolein	61.7		"	50.0		123	10-238				
Acrylonitrile	53.8		"	50.0		108	66-141				
Benzene	55.0		"	50.0		110	77-127				
Bromochloromethane	55.4		"	50.0		111	74-129				
Bromodichloromethane	56.1		"	50.0		112	81-124				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20268 - EPA 5035A											
LCS (BH20268-BS1) LCS							Prepared & Analyzed: 08/11/2022				
Bromoform	54.0		ug/L	50.0		108	80-136				
Bromomethane	51.2		"	50.0		102	32-177				
Carbon disulfide	58.8		"	50.0		118	10-136				
Carbon tetrachloride	57.9		"	50.0		116	66-143				
Chlorobenzene	56.0		"	50.0		112	86-120				
Chloroethane	58.6		"	50.0		117	51-142				
Chloroform	55.9		"	50.0		112	76-131				
Chloromethane	59.8		"	50.0		120	49-132				
cis-1,2-Dichloroethylene	54.8		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	59.1		"	50.0		118	81-129				
Cyclohexane	49.5		"	50.0		98.9	70-130				
Dibromochloromethane	58.0		"	50.0		116	10-200				
Dibromomethane	53.9		"	50.0		108	83-124				
Dichlorodifluoromethane	87.3		"	50.0		175	28-158	High Bias			
Ethyl Benzene	54.3		"	50.0		109	84-125				
Hexachlorobutadiene	51.7		"	50.0		103	83-133				
Isopropylbenzene	54.2		"	50.0		108	81-127				
Methyl acetate	46.5		"	50.0		92.9	41-143				
Methyl tert-butyl ether (MTBE)	55.1		"	50.0		110	74-131				
Methylcyclohexane	49.8		"	50.0		99.5	70-130				
Methylene chloride	54.1		"	50.0		108	57-141				
n-Butylbenzene	50.8		"	50.0		102	80-130				
n-Propylbenzene	52.6		"	50.0		105	74-136				
o-Xylene	56.0		"	50.0		112	83-123				
p- & m- Xylenes	109		"	100		109	82-128				
p-Isopropyltoluene	53.4		"	50.0		107	85-125				
sec-Butylbenzene	52.1		"	50.0		104	83-125				
Styrene	54.6		"	50.0		109	86-126				
tert-Butyl alcohol (TBA)	302		"	250		121	70-130				
tert-Butylbenzene	53.3		"	50.0		107	80-127				
Tetrachloroethylene	48.4		"	50.0		96.8	80-129				
Toluene	52.1		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	54.1		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132				
Trichloroethylene	53.4		"	50.0		107	84-123				
Trichlorofluoromethane	58.0		"	50.0		116	62-140				
Vinyl Chloride	63.1		"	50.0		126	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20268 - EPA 5035A											
LCS Dup (BH20268-BSD1) LCS Dup							Prepared & Analyzed: 08/11/2022				
1,1,1,2-Tetrachloroethane	56.6		ug/L	50.0		113	75-129		0.581	30	
1,1,1-Trichloroethane	57.1		"	50.0		114	71-137		0.861	30	
1,1,2,2-Tetrachloroethane	53.0		"	50.0		106	79-129		2.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.9		"	50.0		108	58-146		1.48	30	
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123		3.14	30	
1,1-Dichloroethane	55.0		"	50.0		110	75-130		2.26	30	
1,1-Dichloroethylene	54.2		"	50.0		108	64-137		0.890	30	
1,2,3-Trichlorobenzene	53.0		"	50.0		106	81-140		0.378	30	
1,2,3-Trichloropropane	53.9		"	50.0		108	81-126		2.46	30	
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141		0.661	30	
1,2,4-Trimethylbenzene	54.4		"	50.0		109	84-125		1.17	30	
1,2-Dibromo-3-chloropropane	47.1		"	50.0		94.3	74-142		0.887	30	
1,2-Dibromoethane	54.9		"	50.0		110	86-123		4.31	30	
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122		0.249	30	
1,2-Dichloroethane	55.1		"	50.0		110	71-133		1.51	30	
1,2-Dichloropropane	54.3		"	50.0		109	81-122		1.70	30	
1,3,5-Trimethylbenzene	53.0		"	50.0		106	82-126		1.37	30	
1,3-Dichlorobenzene	53.5		"	50.0		107	84-124		0.713	30	
1,4-Dichlorobenzene	54.4		"	50.0		109	84-124		2.42	30	
1,4-Dioxane	1060		"	1050		101	10-228		5.12	30	
2-Butanone	52.3		"	50.0		105	58-147		0.421	30	
2-Hexanone	50.8		"	50.0		102	70-139		6.49	30	
4-Methyl-2-pentanone	52.4		"	50.0		105	72-132		5.44	30	
Acetone	46.4		"	50.0		92.8	36-155		31.9	30	Non-dir.
Acrolein	58.3		"	50.0		117	10-238		5.70	30	
Acrylonitrile	51.4		"	50.0		103	66-141		4.43	30	
Benzene	54.8		"	50.0		110	77-127		0.365	30	
Bromochloromethane	54.4		"	50.0		109	74-129		1.95	30	
Bromodichloromethane	54.1		"	50.0		108	81-124		3.59	30	
Bromoform	52.3		"	50.0		105	80-136		3.25	30	
Bromomethane	53.3		"	50.0		107	32-177		3.98	30	
Carbon disulfide	59.6		"	50.0		119	10-136		1.27	30	
Carbon tetrachloride	57.5		"	50.0		115	66-143		0.658	30	
Chlorobenzene	55.4		"	50.0		111	86-120		1.20	30	
Chloroethane	59.4		"	50.0		119	51-142		1.36	30	
Chloroform	56.5		"	50.0		113	76-131		1.07	30	
Chloromethane	60.4		"	50.0		121	49-132		0.865	30	
cis-1,2-Dichloroethylene	54.9		"	50.0		110	74-132		0.164	30	
cis-1,3-Dichloropropylene	58.0		"	50.0		116	81-129		2.00	30	
Cyclohexane	50.0		"	50.0		99.9	70-130		0.966	30	
Dibromochloromethane	56.4		"	50.0		113	10-200		2.85	30	
Dibromomethane	52.2		"	50.0		104	83-124		3.13	30	
Dichlorodifluoromethane	87.6		"	50.0		175	28-158	High Bias	0.366	30	
Ethyl Benzene	54.1		"	50.0		108	84-125		0.240	30	
Hexachlorobutadiene	54.0		"	50.0		108	83-133		4.28	30	
Isopropylbenzene	55.9		"	50.0		112	81-127		3.07	30	
Methyl acetate	43.2		"	50.0		86.3	41-143		7.34	30	
Methyl tert-butyl ether (MTBE)	55.0		"	50.0		110	74-131		0.254	30	
Methylcyclohexane	49.8		"	50.0		99.5	70-130		0.0201	30	
Methylene chloride	53.7		"	50.0		107	57-141		0.612	30	
n-Butylbenzene	52.0		"	50.0		104	80-130		2.34	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20268 - EPA 5035A											
LCS Dup (BH20268-BSD1) LCS Dup								Prepared & Analyzed: 08/11/2022			
n-Propylbenzene	53.7		ug/L	50.0		107	74-136		2.07	30	
o-Xylene	56.2		"	50.0		112	83-123		0.481	30	
p- & m- Xylenes	109		"	100		109	82-128		0.533	30	
p-Isopropyltoluene	54.1		"	50.0		108	85-125		1.47	30	
sec-Butylbenzene	54.2		"	50.0		108	83-125		3.99	30	
Styrene	53.5		"	50.0		107	86-126		2.13	30	
tert-Butyl alcohol (TBA)	281		"	250		112	70-130		7.11	30	
tert-Butylbenzene	55.1		"	50.0		110	80-127		3.36	30	
Tetrachloroethylene	48.5		"	50.0		96.9	80-129		0.165	30	
Toluene	51.8		"	50.0		104	85-121		0.501	30	
trans-1,2-Dichloroethylene	55.2		"	50.0		110	72-132		2.09	30	
trans-1,3-Dichloropropylene	50.9		"	50.0		102	78-132		3.99	30	
Trichloroethylene	53.0		"	50.0		106	84-123		0.902	30	
Trichlorofluoromethane	58.1		"	50.0		116	62-140		0.190	30	
Vinyl Chloride	63.3		"	50.0		127	52-130		0.222	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH20759 - EPA 3546 SVOA

Blank (BH20759-BLK1) Blank — Prepared: 08/12/2022 Analyzed: 08/14/2022

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"
Caprolactam	ND	0.0833	"
Carbazole	ND	0.0417	"
Chrysene	ND	0.0417	"
Dibenzo(a,h)anthracene	ND	0.0417	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
Blank (BH20759-BLK1) Blank									Prepared: 08/12/2022 Analyzed: 08/14/2022		
Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	*1.28*		"	*1.67*		*76.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.23*		"	*1.67*		*73.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.604*		"	*0.833*		*72.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.635*		"	*0.833*		*76.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.88*		"	*1.67*		*113*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.717*		"	*0.833*		*86.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
LCS (BH20759-BS1) LCS								Prepared: 08/12/2022 Analyzed: 08/14/2022			
1,1-Biphenyl	0.548	0.0417	mg/kg wet	0.833		65.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.854	0.0833	"	0.833		102	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.609	0.0417	"	0.833		73.0	17-137				
2,3,4,6-Tetrachlorophenol	0.857	0.0833	"	0.833		103	30-130				
2,4,5-Trichlorophenol	0.809	0.0417	"	0.833		97.0	27-118				
2,4,6-Trichlorophenol	0.941	0.0417	"	0.833		113	31-120				
2,4-Dichlorophenol	0.888	0.0417	"	0.833		107	20-127				
2,4-Dimethylphenol	0.856	0.0417	"	0.833		103	14-132				
2,4-Dinitrophenol	1.36	0.0833	"	0.833		163	10-171				
2,4-Dinitrotoluene	0.960	0.0417	"	0.833		115	34-131				
2,6-Dinitrotoluene	0.952	0.0417	"	0.833		114	31-128				
2-Chloronaphthalene	0.776	0.0417	"	0.833		93.2	31-117				
2-Chlorophenol	0.766	0.0417	"	0.833		91.9	33-113				
2-Methylnaphthalene	0.829	0.0417	"	0.833		99.5	12-138				
2-Methylphenol	0.771	0.0417	"	0.833		92.6	10-136				
2-Nitroaniline	0.891	0.0833	"	0.833		107	27-132				
2-Nitrophenol	1.09	0.0417	"	0.833		131	17-129	High Bias			
3- & 4-Methylphenols	0.628	0.0417	"	0.833		75.4	29-103				
3,3-Dichlorobenzidine	0.767	0.0417	"	0.833		92.1	22-149				
3-Nitroaniline	0.725	0.0833	"	0.833		87.0	20-133				
4,6-Dinitro-2-methylphenol	1.19	0.0833	"	0.833		143	10-143				
4-Bromophenyl phenyl ether	0.814	0.0417	"	0.833		97.7	29-120				
4-Chloro-3-methylphenol	0.892	0.0417	"	0.833		107	24-129				
4-Chloroaniline	0.646	0.0417	"	0.833		77.5	10-132				
4-Chlorophenyl phenyl ether	0.823	0.0417	"	0.833		98.8	27-124				
4-Nitroaniline	0.798	0.0833	"	0.833		95.8	16-128				
4-Nitrophenol	0.717	0.0833	"	0.833		86.0	10-141				
Acenaphthene	0.773	0.0417	"	0.833		92.7	30-121				
Acenaphthylene	0.702	0.0417	"	0.833		84.2	30-115				
Acetophenone	0.527	0.0417	"	0.833		63.2	20-112				
Aniline	0.716	0.167	"	0.833		86.0	10-119				
Anthracene	0.874	0.0417	"	0.833		105	34-118				
Atrazine	0.677	0.0417	"	0.833		81.2	26-112				
Benzaldehyde	0.503	0.0417	"	0.833		60.4	21-100				
Benzo(a)anthracene	0.819	0.0417	"	0.833		98.3	32-122				
Benzo(a)pyrene	0.787	0.0417	"	0.833		94.4	29-133				
Benzo(b)fluoranthene	0.823	0.0417	"	0.833		98.8	25-133				
Benzo(g,h,i)perylene	0.868	0.0417	"	0.833		104	10-143				
Benzo(k)fluoranthene	0.833	0.0417	"	0.833		100	25-128				
Benzoic acid	0.819	0.0417	"	0.833		98.3	10-140				
Benzyl alcohol	0.776	0.0417	"	0.833		93.2	30-115				
Benzyl butyl phthalate	0.802	0.0417	"	0.833		96.3	26-126				
Bis(2-chloroethoxy)methane	0.787	0.0417	"	0.833		94.4	19-132				
Bis(2-chloroethyl)ether	0.704	0.0417	"	0.833		84.5	19-125				
Bis(2-chloroisopropyl)ether	0.853	0.0417	"	0.833		102	20-135				
Bis(2-ethylhexyl)phthalate	0.835	0.0417	"	0.833		100	10-155				
Caprolactam	0.851	0.0833	"	0.833		102	10-127				
Carbazole	0.879	0.0417	"	0.833		105	35-123				
Chrysene	0.801	0.0417	"	0.833		96.1	32-123				
Dibenzo(a,h)anthracene	0.937	0.0417	"	0.833		112	10-136				
Dibenzofuran	0.786	0.0417	"	0.833		94.3	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
LCS (BH20759-BS1) LCS									Prepared: 08/12/2022 Analyzed: 08/14/2022		
Diethyl phthalate	0.764	0.0417	mg/kg wet	0.833		91.6	34-116				
Dimethyl phthalate	0.808	0.0417	"	0.833		97.0	35-124				
Di-n-butyl phthalate	0.782	0.0417	"	0.833		93.8	31-116				
Di-n-octyl phthalate	0.920	0.0417	"	0.833		110	26-136				
Diphenylamine	0.934	0.0833	"	0.833		112	40-140				
Fluoranthene	0.834	0.0417	"	0.833		100	33-122				
Fluorene	0.789	0.0417	"	0.833		94.7	29-123				
Hexachlorobenzene	0.580	0.0417	"	0.833		69.6	21-124				
Hexachlorobutadiene	0.906	0.0417	"	0.833		109	10-149				
Hexachlorocyclopentadiene	0.622	0.0417	"	0.833		74.6	10-129				
Hexachloroethane	0.656	0.0417	"	0.833		78.7	28-108				
Indeno(1,2,3-cd)pyrene	0.772	0.0417	"	0.833		92.6	10-135				
Isophorone	0.805	0.0417	"	0.833		96.6	20-132				
Naphthalene	0.765	0.0417	"	0.833		91.8	23-124				
Nitrobenzene	0.741	0.0417	"	0.833		89.0	13-132				
N-Nitrosodimethylamine	0.444	0.0417	"	0.833		53.3	11-129				
N-nitroso-di-n-propylamine	0.724	0.0417	"	0.833		86.9	24-119				
N-Nitrosodiphenylamine	0.886	0.0417	"	0.833		106	22-152				
Pentachlorophenol	0.924	0.0417	"	0.833		111	10-139				
Phenanthrene	0.798	0.0417	"	0.833		95.7	33-123				
Phenol	0.754	0.0417	"	0.833		90.5	23-115				
Pyrene	0.772	0.0417	"	0.833		92.7	24-130				
Pyridine	0.394	0.167	"	0.833		47.3	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.13*		"	*1.67*		*67.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.10*		"	*1.67*		*66.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.588*		"	*0.833*		*70.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.603*		"	*0.833*		*72.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.84*		"	*1.67*		*110*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.626*		"	*0.833*		*75.1*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
Matrix Spike (BH20759-MS1) Matrix Spike	*Source sample: 22H0662-02 (Matrix Spike)							Prepared: 08/12/2022 Analyzed: 08/14/2022			
1,1-Biphenyl	0.445	0.0834	mg/kg wet	0.833	ND	53.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.451	0.167	"	0.833	ND	54.2	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.363	0.0834	"	0.833	ND	43.5	10-144				
2,3,4,6-Tetrachlorophenol	0.443	0.167	"	0.833	ND	53.2	30-130				
2,4,5-Trichlorophenol	0.409	0.0834	"	0.833	ND	49.1	10-127				
2,4,6-Trichlorophenol	0.476	0.0834	"	0.833	ND	57.1	10-132				
2,4-Dichlorophenol	0.461	0.0834	"	0.833	ND	55.4	10-128				
2,4-Dimethylphenol	0.483	0.0834	"	0.833	ND	58.0	10-137				
2,4-Dinitrophenol	ND	0.167	"	0.833	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.475	0.0834	"	0.833	ND	57.0	16-135				
2,6-Dinitrotoluene	0.527	0.0834	"	0.833	ND	63.3	18-131				
2-Chloronaphthalene	0.435	0.0834	"	0.833	ND	52.2	10-129				
2-Chlorophenol	0.408	0.0834	"	0.833	ND	49.0	15-116				
2-Methylnaphthalene	0.478	0.0834	"	0.833	ND	57.4	10-147				
2-Methylphenol	0.431	0.0834	"	0.833	ND	51.7	10-136				
2-Nitroaniline	0.475	0.167	"	0.833	ND	57.0	10-137				
2-Nitrophenol	0.503	0.0834	"	0.833	ND	60.4	10-129				
3- & 4-Methylphenols	0.341	0.0834	"	0.833	ND	41.0	10-123				
3,3-Dichlorobenzidine	0.315	0.0834	"	0.833	ND	37.8	10-155				
3-Nitroaniline	0.412	0.167	"	0.833	ND	49.4	12-133				
4,6-Dinitro-2-methylphenol	0.0880	0.167	"	0.833	ND	10.6	10-155				
4-Bromophenyl phenyl ether	0.458	0.0834	"	0.833	ND	55.0	14-128				
4-Chloro-3-methylphenol	0.521	0.0834	"	0.833	ND	62.5	10-134				
4-Chloroaniline	0.345	0.0834	"	0.833	ND	41.4	10-145				
4-Chlorophenyl phenyl ether	0.437	0.0834	"	0.833	ND	52.4	14-130				
4-Nitroaniline	0.371	0.167	"	0.833	ND	44.5	10-147				
4-Nitrophenol	0.251	0.167	"	0.833	ND	30.1	10-137				
Acenaphthene	0.481	0.0834	"	0.833	ND	57.7	10-146				
Acenaphthylene	0.417	0.0834	"	0.833	ND	50.1	10-134				
Acetophenone	0.419	0.0834	"	0.833	ND	50.3	10-116				
Aniline	0.365	0.334	"	0.833	ND	43.8	10-123				
Anthracene	0.559	0.0834	"	0.833	ND	67.1	10-142				
Atrazine	0.553	0.0834	"	0.833	ND	66.4	19-115				
Benzaldehyde	0.453	0.0834	"	0.833	ND	54.4	10-125				
Benzo(a)anthracene	0.600	0.0834	"	0.833	ND	72.0	10-158				
Benzo(a)pyrene	0.597	0.0834	"	0.833	ND	71.7	10-180				
Benzo(b)fluoranthene	0.560	0.0834	"	0.833	ND	67.2	10-200				
Benzo(g,h,i)perylene	0.743	0.0834	"	0.833	ND	89.1	10-138				
Benzo(k)fluoranthene	0.670	0.0834	"	0.833	ND	80.4	10-197				
Benzoic acid	0.0840	0.0834	"	0.833	ND	10.1	10-166				
Benzyl alcohol	0.387	0.0834	"	0.833	ND	46.4	12-124				
Benzyl butyl phthalate	0.497	0.0834	"	0.833	ND	59.7	10-154				
Bis(2-chloroethoxy)methane	0.427	0.0834	"	0.833	ND	51.2	10-132				
Bis(2-chloroethyl)ether	0.415	0.0834	"	0.833	ND	49.8	10-119				
Bis(2-chloroisopropyl)ether	0.461	0.0834	"	0.833	ND	55.4	10-139				
Bis(2-ethylhexyl)phthalate	0.549	0.0834	"	0.833	ND	65.8	10-167				
Caprolactam	0.729	0.167	"	0.833	ND	87.5	10-132				
Carbazole	0.517	0.0834	"	0.833	ND	62.0	10-167				
Chrysene	0.596	0.0834	"	0.833	ND	71.5	10-156				
Dibenzo(a,h)anthracene	0.632	0.0834	"	0.833	ND	75.8	10-137				
Dibenzofuran	0.447	0.0834	"	0.833	ND	53.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
Matrix Spike (BH20759-MS1) Matrix Spike	*Source sample: 22H0662-02 (Matrix Spike)									Prepared: 08/12/2022 Analyzed: 08/14/2022	
Diethyl phthalate	0.415	0.0834	mg/kg wet	0.833	ND	49.8	20-120				
Dimethyl phthalate	0.463	0.0834	"	0.833	ND	55.6	18-131				
Di-n-butyl phthalate	0.483	0.0834	"	0.833	ND	58.0	10-137				
Di-n-octyl phthalate	0.543	0.0834	"	0.833	ND	65.1	10-180				
Diphenylamine	0.553	0.167	"	0.833	ND	66.3	40-140				
Fluoranthene	0.721	0.0834	"	0.833	0.0591	79.5	10-160				
Fluorene	0.445	0.0834	"	0.833	ND	53.4	10-157				
Hexachlorobenzene	0.388	0.0834	"	0.833	ND	46.6	10-137				
Hexachlorobutadiene	0.501	0.0834	"	0.833	ND	60.1	10-132				
Hexachlorocyclopentadiene	0.197	0.0834	"	0.833	ND	23.6	10-106				
Hexachloroethane	0.384	0.0834	"	0.833	ND	46.1	10-110				
Indeno(1,2,3-cd)pyrene	0.691	0.0834	"	0.833	ND	83.0	10-144				
Isophorone	0.482	0.0834	"	0.833	ND	57.8	10-132				
Naphthalene	0.453	0.0834	"	0.833	ND	54.3	10-141				
Nitrobenzene	0.381	0.0834	"	0.833	ND	45.8	10-131				
N-Nitrosodimethylamine	0.263	0.0834	"	0.833	ND	31.6	10-126				
N-nitroso-di-n-propylamine	0.389	0.0834	"	0.833	ND	46.6	10-125				
N-Nitrosodiphenylamine	0.517	0.0834	"	0.833	ND	62.0	10-177				
Pentachlorophenol	0.329	0.0834	"	0.833	ND	39.4	10-153				
Phenanthrene	0.554	0.0834	"	0.833	ND	66.5	10-148				
Phenol	0.413	0.0834	"	0.833	ND	49.6	10-126				
Pyrene	0.691	0.0834	"	0.833	0.0558	76.2	10-165				
Pyridine	0.247	0.334	"	0.833	ND	29.7	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.865*		"	*1.67*		*51.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.859*		"	*1.67*		*51.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.436*		"	*0.833*		*52.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.481*		"	*0.833*		*57.7*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.44*		"	*1.67*		*86.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.563*		"	*0.833*		*67.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
Matrix Spike Dup (BH20759-! Matrix Spike Dup	*Source sample: 22H0662-02 (Matrix Spike Dup)								Prepared: 08/12/2022 Analyzed: 08/14/2022		
1,1-Biphenyl	0.374	0.0834	mg/kg wet	0.833	ND	44.9	10-130		17.4	30	
1,2,4,5-Tetrachlorobenzene	0.399	0.167	"	0.833	ND	47.8	10-133		12.4	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.301	0.0834	"	0.833	ND	36.2	10-144		18.5	30	
2,3,4,6-Tetrachlorophenol	0.363	0.167	"	0.833	ND	43.5	30-130		20.0	30	
2,4,5-Trichlorophenol	0.341	0.0834	"	0.833	ND	40.9	10-127		18.3	30	
2,4,6-Trichlorophenol	0.396	0.0834	"	0.833	ND	47.5	10-132		18.3	30	
2,4-Dichlorophenol	0.423	0.0834	"	0.833	ND	50.7	10-128		8.75	30	
2,4-Dimethylphenol	0.363	0.0834	"	0.833	ND	43.5	10-137		28.5	30	
2,4-Dinitrophenol	ND	0.167	"	0.833	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.394	0.0834	"	0.833	ND	47.3	16-135		18.6	30	
2,6-Dinitrotoluene	0.417	0.0834	"	0.833	ND	50.1	18-131		23.3	30	
2-Chloronaphthalene	0.351	0.0834	"	0.833	ND	42.2	10-129		21.2	30	
2-Chlorophenol	0.331	0.0834	"	0.833	ND	39.8	15-116		20.7	30	
2-Methylnaphthalene	0.388	0.0834	"	0.833	ND	46.6	10-147		20.8	30	
2-Methylphenol	0.331	0.0834	"	0.833	ND	39.7	10-136		26.3	30	
2-Nitroaniline	0.395	0.167	"	0.833	ND	47.4	10-137		18.5	30	
2-Nitrophenol	0.405	0.0834	"	0.833	ND	48.6	10-129		21.7	30	
3- & 4-Methylphenols	0.260	0.0834	"	0.833	ND	31.2	10-123		27.1	30	
3,3-Dichlorobenzidine	0.281	0.0834	"	0.833	ND	33.8	10-155		11.4	30	
3-Nitroaniline	0.342	0.167	"	0.833	ND	41.0	12-133		18.6	30	
4,6-Dinitro-2-methylphenol	ND	0.167	"	0.833	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.407	0.0834	"	0.833	ND	48.9	14-128		11.7	30	
4-Chloro-3-methylphenol	0.418	0.0834	"	0.833	ND	50.2	10-134		21.9	30	
4-Chloroaniline	0.303	0.0834	"	0.833	ND	36.3	10-145		13.0	30	
4-Chlorophenyl phenyl ether	0.385	0.0834	"	0.833	ND	46.2	14-130		12.5	30	
4-Nitroaniline	0.313	0.167	"	0.833	ND	37.5	10-147		17.0	30	
4-Nitrophenol	0.217	0.167	"	0.833	ND	26.0	10-137		14.6	30	
Acenaphthene	0.393	0.0834	"	0.833	ND	47.1	10-146		20.2	30	
Acenaphthylene	0.363	0.0834	"	0.833	ND	43.6	10-134		13.8	30	
Acetophenone	0.320	0.0834	"	0.833	ND	38.4	10-116		26.9	30	
Aniline	0.299	0.334	"	0.833	ND	35.8	10-123		19.9	30	
Anthracene	0.463	0.0834	"	0.833	ND	55.6	10-142		18.8	30	
Atrazine	0.471	0.0834	"	0.833	ND	56.6	19-115		16.0	30	
Benzaldehyde	0.345	0.0834	"	0.833	ND	41.4	10-125		27.2	30	
Benzo(a)anthracene	0.519	0.0834	"	0.833	ND	62.2	10-158		14.5	30	
Benzo(a)pyrene	0.532	0.0834	"	0.833	ND	63.8	10-180		11.6	30	
Benzo(b)fluoranthene	0.477	0.0834	"	0.833	ND	57.2	10-200		16.1	30	
Benzo(g,h,i)perylene	0.629	0.0834	"	0.833	ND	75.4	10-138		16.6	30	
Benzo(k)fluoranthene	0.598	0.0834	"	0.833	ND	71.8	10-197		11.4	30	
Benzoic acid	0.0447	0.0834	"	0.833	ND	5.36	10-166	Low Bias	61.1	30	Non-dir.
Benzyl alcohol	0.313	0.0834	"	0.833	ND	37.6	12-124		21.0	30	
Benzyl butyl phthalate	0.417	0.0834	"	0.833	ND	50.0	10-154		17.7	30	
Bis(2-chloroethoxy)methane	0.323	0.0834	"	0.833	ND	38.8	10-132		27.6	30	
Bis(2-chloroethyl)ether	0.307	0.0834	"	0.833	ND	36.8	10-119		29.9	30	
Bis(2-chloroisopropyl)ether	0.369	0.0834	"	0.833	ND	44.3	10-139		22.2	30	
Bis(2-ethylhexyl)phthalate	0.476	0.0834	"	0.833	ND	57.1	10-167		14.2	30	
Caprolactam	0.556	0.167	"	0.833	ND	66.7	10-132		27.0	30	
Carbazole	0.446	0.0834	"	0.833	ND	53.5	10-167		14.7	30	
Chrysene	0.526	0.0834	"	0.833	ND	63.1	10-156		12.5	30	
Dibenzo(a,h)anthracene	0.528	0.0834	"	0.833	ND	63.4	10-137		17.9	30	
Dibenzofuran	0.387	0.0834	"	0.833	ND	46.5	10-147		14.2	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20759 - EPA 3546 SVOA											
Matrix Spike Dup (BH20759- Matrix Spike Dup	*Source sample: 22H0662-02 (Matrix Spike Dup)								Prepared: 08/12/2022 Analyzed: 08/14/2022		
Diethyl phthalate	0.368	0.0834	mg/kg wet	0.833	ND	44.2	20-120		11.9	30	
Dimethyl phthalate	0.375	0.0834	"	0.833	ND	45.0	18-131		21.2	30	
Di-n-butyl phthalate	0.412	0.0834	"	0.833	ND	49.4	10-137		15.9	30	
Di-n-octyl phthalate	0.457	0.0834	"	0.833	ND	54.9	10-180		17.1	30	
Diphenylamine	0.467	0.167	"	0.833	ND	56.1	40-140		16.7	30	
Fluoranthene	0.632	0.0834	"	0.833	0.0591	68.7	10-160		13.2	30	
Fluorene	0.383	0.0834	"	0.833	ND	45.9	10-157		15.0	30	
Hexachlorobenzene	0.308	0.0834	"	0.833	ND	37.0	10-137		23.0	30	
Hexachlorobutadiene	0.394	0.0834	"	0.833	ND	47.3	10-132		23.8	30	
Hexachlorocyclopentadiene	0.143	0.0834	"	0.833	ND	17.2	10-106		31.4	30	Non-dir.
Hexachloroethane	0.305	0.0834	"	0.833	ND	36.6	10-110		22.8	30	
Indeno(1,2,3-cd)pyrene	0.727	0.0834	"	0.833	ND	87.2	10-144		4.98	30	
Isophorone	0.366	0.0834	"	0.833	ND	43.9	10-132		27.4	30	
Naphthalene	0.353	0.0834	"	0.833	ND	42.3	10-141		24.8	30	
Nitrobenzene	0.285	0.0834	"	0.833	ND	34.2	10-131		29.0	30	
N-Nitrosodimethylamine	0.205	0.0834	"	0.833	ND	24.6	10-126		25.1	30	
N-nitroso-di-n-propylamine	0.314	0.0834	"	0.833	ND	37.7	10-125		21.3	30	
N-Nitrosodiphenylamine	0.450	0.0834	"	0.833	ND	54.0	10-177		13.8	30	
Pentachlorophenol	0.277	0.0834	"	0.833	ND	33.3	10-153		16.9	30	
Phenanthrene	0.459	0.0834	"	0.833	ND	55.1	10-148		18.7	30	
Phenol	0.321	0.0834	"	0.833	ND	38.6	10-126		25.0	30	
Pyrene	0.595	0.0834	"	0.833	0.0558	64.7	10-165		14.9	30	
Pyridine	0.194	0.334	"	0.833	ND	23.3	10-83		24.2	30	
Surrogate: SURR: 2-Fluorophenol	*0.680*		"	*1.67*		*40.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.681*		"	*1.67*		*40.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.329*		"	*0.833*		*39.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.395*		"	*0.833*		*47.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.16*		"	*1.67*		*69.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.463*		"	*0.833*		*55.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20912 - EPA 3550C											
Blank (BH20912-BLK1) Blank									Prepared: 08/15/2022 Analyzed: 08/17/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*317*		*"*	*495*		*64.0*	*39-127.5*				
LCS (BH20912-BS1) LCS									Prepared: 08/15/2022 Analyzed: 08/17/2022		
1,4-Dioxane	511	19.8	ug/kg	495		103	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*39-127.5*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20694 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BH20694-BLK1) Blank									Prepared: 08/11/2022 Analyzed: 08/12/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	0.247	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.247	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.247	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.247	"								
Perfluorooctanoic acid (PFOA)	ND	0.247	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.247	"								
Perfluorononanoic acid (PFNA)	ND	0.247	"								
Perfluorodecanoic acid (PFDA)	ND	0.247	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.247	"								
Perfluorododecanoic acid (PFDoA)	ND	0.247	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.247	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.247	"								
N-MeFOSAA	ND	0.247	"								
N-EtFOSAA	ND	0.247	"								
Perfluoropentanoic acid (PFPeA)	ND	0.247	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.247	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.247	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.247	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.247	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.247	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.247	"								
Surrogate: M3PFBS	*4.28*		"	*4.59*		*93.3*	*25-150*				
Surrogate: M5PFHxA	*5.31*		"	*4.94*		*108*	*25-150*				
Surrogate: M4PFHpA	*5.22*		"	*4.94*		*106*	*25-150*				
Surrogate: M3PFHxS	*4.97*		"	*4.68*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.48*		"	*4.94*		*111*	*25-150*				
Surrogate: M6PFDA	*3.91*		"	*4.94*		*79.0*	*25-150*				
Surrogate: M7PFUdA	*3.95*		"	*4.94*		*80.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.66*		"	*4.94*		*74.0*	*25-150*				
Surrogate: M2PFTeDA	*4.03*		"	*4.94*		*81.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.70*		"	*4.94*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.28*		"	*4.73*		*90.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.62*		"	*4.94*		*93.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.32*		"	*4.94*		*67.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.67*		"	*4.94*		*74.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.25*		"	*4.94*		*86.1*	*25-150*				
Surrogate: M2-6:2 FTS	*3.76*		"	*4.69*		*80.2*	*25-200*				
Surrogate: M2-8:2 FTS	*5.05*		"	*4.73*		*107*	*25-200*				
Surrogate: M9PFNA	*4.76*		"	*4.94*		*96.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20694 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BH20694-BS1) LCS									Prepared: 08/11/2022 Analyzed: 08/12/2022		
Perfluorobutanesulfonic acid (PFBS)	5.13	0.245	ug/kg wet	4.33		119	50-130				
Perfluorohexanoic acid (PFHxA)	4.69	0.245	"	4.89		95.8	50-130				
Perfluoroheptanoic acid (PFHpA)	5.01	0.245	"	4.89		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.42	0.245	"	4.45		122	50-130				
Perfluorooctanoic acid (PFOA)	5.03	0.245	"	4.89		103	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.30	0.245	"	4.52		95.0	50-130				
Perfluorononanoic acid (PFNA)	4.56	0.245	"	4.89		93.2	50-130				
Perfluorodecanoic acid (PFDA)	4.80	0.245	"	4.89		98.2	50-130				
Perfluoroundecanoic acid (PFUnA)	4.86	0.245	"	4.89		99.4	50-130				
Perfluorododecanoic acid (PFDoA)	5.46	0.245	"	4.89		112	50-130				
Perfluorotridecanoic acid (PFTrDA)	5.05	0.245	"	4.89		103	50-130				
Perfluorotetradecanoic acid (PFTA)	4.78	0.245	"	4.89		97.8	50-130				
N-MeFOSAA	4.61	0.245	"	4.89		94.3	50-130				
N-EtFOSAA	4.16	0.245	"	4.89		85.0	50-130				
Perfluoropentanoic acid (PFPeA)	5.38	0.245	"	4.89		110	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.11	0.245	"	4.89		84.0	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.66	0.245	"	4.67		99.8	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.76	0.245	"	4.72		79.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.39	0.245	"	4.65		94.5	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.93	0.245	"	4.70		126	50-200				
Perfluoro-n-butanoic acid (PFBA)	5.15	0.245	"	4.89		105	50-130				
Surrogate: M3PFBS	*4.02*		*"*	*4.54*		*88.5*	*25-150*				
Surrogate: M5PFHxA	*5.35*		*"*	*4.89*		*109*	*25-150*				
Surrogate: M4PFHpA	*5.07*		*"*	*4.89*		*104*	*25-150*				
Surrogate: M3PFHxS	*3.75*		*"*	*4.63*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.94*		*"*	*4.89*		*101*	*25-150*				
Surrogate: M6PFDA	*4.85*		*"*	*4.89*		*99.1*	*25-150*				
Surrogate: M7PFUdA	*4.32*		*"*	*4.89*		*88.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.87*		*"*	*4.89*		*79.1*	*25-150*				
Surrogate: M2PFTeDA	*4.42*		*"*	*4.89*		*90.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.82*		*"*	*4.89*		*98.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.87*		*"*	*4.68*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.61*		*"*	*4.89*		*94.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.27*		*"*	*4.89*		*87.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.09*		*"*	*4.89*		*104*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.19*		*"*	*4.89*		*106*	*25-150*				
Surrogate: M2-6:2 FTS	*4.72*		*"*	*4.64*		*102*	*25-200*				
Surrogate: M2-8:2 FTS	*5.14*		*"*	*4.69*		*110*	*25-200*				
Surrogate: M9PFNA	*4.95*		*"*	*4.89*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20694 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BH20694-MS1) Matrix Spike	*Source sample: 22H0638-01 (EP64_7.5)									Prepared: 08/11/2022 Analyzed: 08/12/2022	
Perfluorobutanesulfonic acid (PFBS)	6.11	0.275	ug/kg dry	4.86	ND	126	25-150				
Perfluorohexanoic acid (PFHxA)	5.54	0.275	"	5.49	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	6.05	0.275	"	5.49	ND	110	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.07	0.275	"	5.00	ND	121	25-150				
Perfluorooctanoic acid (PFOA)	6.36	0.275	"	5.49	ND	116	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.39	0.275	"	5.08	ND	106	25-150				
Perfluorononanoic acid (PFNA)	5.58	0.275	"	5.49	ND	102	25-150				
Perfluorodecanoic acid (PFDA)	6.18	0.275	"	5.49	ND	113	25-150				
Perfluoroundecanoic acid (PFUnA)	6.01	0.275	"	5.49	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	6.16	0.275	"	5.49	ND	112	25-150				
Perfluorotridecanoic acid (PFTrDA)	7.74	0.275	"	5.49	ND	141	25-150				
Perfluorotetradecanoic acid (PFTA)	6.19	0.275	"	5.49	ND	113	25-150				
N-MeFOSAA	6.55	0.275	"	5.49	ND	119	25-150				
N-EtFOSAA	5.21	0.275	"	5.49	ND	94.8	25-150				
Perfluoropentanoic acid (PFPeA)	6.66	0.275	"	5.49	ND	121	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.74	0.275	"	5.49	ND	123	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.05	0.275	"	5.25	ND	115	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.29	0.275	"	5.30	ND	80.8	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.46	0.275	"	5.22	ND	105	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.21	0.275	"	5.27	ND	118	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.52	0.275	"	5.49	ND	119	25-150				
Surrogate: M3PFBS	*4.00*		*"*	*5.10*		*78.4*	*25-150*				
Surrogate: M5PFHxA	*5.52*		*"*	*5.49*		*101*	*25-150*				
Surrogate: M4PFHpA	*4.92*		*"*	*5.49*		*89.6*	*25-150*				
Surrogate: M3PFHxS	*4.42*		*"*	*5.20*		*85.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.95*		*"*	*5.49*		*90.2*	*25-150*				
Surrogate: M6PFDA	*4.26*		*"*	*5.49*		*77.5*	*25-150*				
Surrogate: M7PFUdA	*3.75*		*"*	*5.49*		*68.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.28*		*"*	*5.49*		*59.8*	*25-150*				
Surrogate: M2PFTeDA	*3.70*		*"*	*5.49*		*67.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.67*		*"*	*5.49*		*85.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.27*		*"*	*5.26*		*81.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.53*		*"*	*5.49*		*82.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.31*		*"*	*5.49*		*60.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.11*		*"*	*5.49*		*74.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.33*		*"*	*5.49*		*97.1*	*25-150*				
Surrogate: M2-6:2 FTS	*5.10*		*"*	*5.21*		*97.9*	*25-200*				
Surrogate: M2-8:2 FTS	*5.96*		*"*	*5.26*		*113*	*25-200*				
Surrogate: M9PFNA	*4.66*		*"*	*5.49*		*84.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BH20694 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BH20694-! Matrix Spike Dup *Source sample: 22H0638-01 (EP64_7.5) Prepared: 08/11/2022 Analyzed: 08/12/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.47	0.273	ug/kg dry	4.83	ND	113	25-150		11.1	35	
Perfluorohexanoic acid (PFHxA)	5.18	0.273	"	5.46	ND	94.9	25-150		6.70	35	
Perfluoroheptanoic acid (PFHpA)	5.49	0.273	"	5.46	ND	101	25-150		9.67	35	
Perfluorohexanesulfonic acid (PFHxS)	5.31	0.273	"	4.97	ND	107	25-150		13.2	35	
Perfluorooctanoic acid (PFOA)	5.92	0.273	"	5.46	ND	108	25-150		7.15	35	
Perfluorooctanesulfonic acid (PFOS)	4.24	0.273	"	5.05	ND	83.9	25-150		24.0	35	
Perfluorononanoic acid (PFNA)	5.19	0.273	"	5.46	ND	95.0	25-150		7.20	35	
Perfluorodecanoic acid (PFDA)	5.38	0.273	"	5.46	ND	98.6	25-150		13.9	35	
Perfluoroundecanoic acid (PFUnA)	5.99	0.273	"	5.46	ND	110	25-150		0.347	35	
Perfluorododecanoic acid (PFDoA)	6.16	0.273	"	5.46	ND	113	25-150		0.0738	35	
Perfluorotridecanoic acid (PFTrDA)	6.88	0.273	"	5.46	ND	126	25-150		11.7	35	
Perfluorotetradecanoic acid (PFTA)	5.29	0.273	"	5.46	ND	96.8	25-150		15.7	35	
N-MeFOSAA	6.83	0.273	"	5.46	ND	125	25-150		4.22	35	
N-EtFOSAA	4.98	0.273	"	5.46	ND	91.2	25-150		4.46	35	
Perfluoropentanoic acid (PFPeA)	6.15	0.273	"	5.46	ND	113	25-150		7.99	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.90	0.273	"	5.46	ND	89.7	25-150		31.7	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.90	0.273	"	5.21	ND	113	25-150		2.57	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.61	0.273	"	5.27	ND	68.5	25-150		17.1	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.87	0.273	"	5.19	ND	94.0	25-200		11.3	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.53	0.273	"	5.24	ND	163	25-200		31.5	35	
Perfluoro-n-butanoic acid (PFBA)	5.51	0.273	"	5.46	ND	101	25-150		16.8	35	
Surrogate: M3PFBS	*3.81*		"	*5.07*		*75.1*	*25-150*				
Surrogate: M5PFHxA	*5.00*		"	*5.46*		*91.5*	*25-150*				
Surrogate: M4PFHpA	*4.92*		"	*5.46*		*90.0*	*25-150*				
Surrogate: M3PFHxS	*3.48*		"	*5.17*		*67.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.70*		"	*5.46*		*86.0*	*25-150*				
Surrogate: M6PFDA	*4.39*		"	*5.46*		*80.4*	*25-150*				
Surrogate: M7PFUdA	*3.38*		"	*5.46*		*61.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.81*		"	*5.46*		*51.5*	*25-150*				
Surrogate: M2PFTeDA	*3.65*		"	*5.46*		*66.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.68*		"	*5.46*		*85.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.31*		"	*5.23*		*82.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.25*		"	*5.46*		*77.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.43*		"	*5.46*		*62.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.42*		"	*5.46*		*62.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.75*		"	*5.46*		*68.7*	*25-150*				
Surrogate: M2-6:2 FTS	*5.13*		"	*5.18*		*99.0*	*25-200*				
Surrogate: M2-8:2 FTS	*4.14*		"	*5.23*		*79.2*	*25-200*				
Surrogate: M9PFNA	*4.20*		"	*5.46*		*77.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20778 - SPE Ext-PFAS-EPA 537.1M											
Blank (BH20778-BLK1) Blank								Prepared & Analyzed: 08/12/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*59.0*		"	*74.3*		*79.3*	*25-150*				
Surrogate: M5PFHxA	*74.2*		"	*80.0*		*92.7*	*25-150*				
Surrogate: M4PFHpA	*71.6*		"	*80.0*		*89.6*	*25-150*				
Surrogate: M3PFHxS	*61.1*		"	*75.7*		*80.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*66.2*		"	*80.0*		*82.8*	*25-150*				
Surrogate: M6PFDA	*68.4*		"	*80.0*		*85.5*	*25-150*				
Surrogate: M7PFUdA	*69.8*		"	*80.0*		*87.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.0*		"	*80.0*		*80.0*	*25-150*				
Surrogate: M2PFTeDA	*79.8*		"	*80.0*		*99.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*64.0*		"	*80.0*		*80.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*64.8*		"	*76.6*		*84.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.5*		"	*80.0*		*78.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.2*		"	*80.0*		*49.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.3*		"	*80.0*		*82.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.6*		"	*80.0*		*99.4*	*25-150*				
Surrogate: M2-6:2 FTS	*62.3*		"	*75.9*		*82.1*	*25-200*				
Surrogate: M2-8:2 FTS	*58.3*		"	*76.6*		*76.1*	*25-200*				
Surrogate: M9PFNA	*71.9*		"	*80.0*		*89.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20778 - SPE Ext-PFAS-EPA 537.1M											
LCS (BH20778-BS1) LCS							Prepared & Analyzed: 08/12/2022				
Perfluorobutanesulfonic acid (PFBS)	85.9	2.00	ng/L	70.8		121	50-130				
Perfluorohexanoic acid (PFHxA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluoroheptanoic acid (PFHpA)	86.1	2.00	"	80.0		108	50-130				
Perfluorohexanesulfonic acid (PFHxS)	77.7	2.00	"	72.8		107	50-130				
Perfluorooctanoic acid (PFOA)	87.9	2.00	"	80.0		110	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.0	2.00	"	74.0		98.7	50-130				
Perfluorononanoic acid (PFNA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorodecanoic acid (PFDA)	87.4	2.00	"	80.0		109	50-130				
Perfluoroundecanoic acid (PFUnA)	86.2	2.00	"	80.0		108	50-130				
Perfluorododecanoic acid (PFDoA)	88.2	2.00	"	80.0		110	50-130				
Perfluorotridecanoic acid (PFTrDA)	98.7	2.00	"	80.0		123	50-130				
Perfluorotetradecanoic acid (PFTA)	73.1	2.00	"	80.0		91.4	50-130				
N-MeFOSAA	87.8	2.00	"	80.0		110	50-130				
N-EtFOSAA	82.6	2.00	"	80.0		103	50-130				
Perfluoropentanoic acid (PFPeA)	93.6	2.00	"	80.0		117	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	99.7	2.00	"	80.0		125	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	86.2	2.00	"	76.4		113	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.0	2.00	"	77.2		98.4	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	89.3	5.00	"	76.0		117	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	85.8	2.00	"	76.8		112	50-175				
Perfluoro-n-butanoic acid (PFBA)	87.4	2.00	"	80.0		109	50-130				
Surrogate: M3PFBS	*64.6*		*"*	*74.3*		*87.0*	*25-150*				
Surrogate: M5PFHxA	*88.2*		*"*	*80.0*		*110*	*25-150*				
Surrogate: M4PFHpA	*79.0*		*"*	*80.0*		*98.7*	*25-150*				
Surrogate: M3PFHxS	*67.7*		*"*	*75.7*		*89.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.3*		*"*	*80.0*		*95.4*	*25-150*				
Surrogate: M6PFDA	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M7PFUdA	*78.4*		*"*	*80.0*		*98.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.0*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: M2PFTeDA	*89.8*		*"*	*80.0*		*112*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		*"*	*80.0*		*95.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*79.4*		*"*	*76.6*		*104*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.4*		*"*	*80.0*		*90.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.1*		*"*	*80.0*		*58.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*73.2*		*"*	*80.0*		*91.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.0*		*"*	*80.0*		*98.8*	*25-150*				
Surrogate: M2-6:2 FTS	*70.5*		*"*	*75.9*		*92.9*	*25-200*				
Surrogate: M2-8:2 FTS	*71.6*		*"*	*76.6*		*93.4*	*25-200*				
Surrogate: M9PFNA	*81.5*		*"*	*80.0*		*102*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20778 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BH20778-BSD1) LCS Dup							Prepared & Analyzed: 08/12/2022				
Perfluorobutanesulfonic acid (PFBS)	84.1	2.00	ng/L	70.8		119	50-130		2.14	30	
Perfluorohexanoic acid (PFHxA)	78.4	2.00	"	80.0		97.9	50-130		0.832	30	
Perfluoroheptanoic acid (PFHpA)	86.2	2.00	"	80.0		108	50-130		0.0893	30	
Perfluorohexanesulfonic acid (PFHxS)	84.0	2.00	"	72.8		115	50-130		7.89	30	
Perfluorooctanoic acid (PFOA)	84.8	2.00	"	80.0		106	50-130		3.66	30	
Perfluorooctanesulfonic acid (PFOS)	83.8	2.00	"	74.0		113	50-130		13.7	30	
Perfluorononanoic acid (PFNA)	87.4	2.00	"	80.0		109	50-130		13.0	30	
Perfluorodecanoic acid (PFDA)	80.4	2.00	"	80.0		101	50-130		8.35	30	
Perfluoroundecanoic acid (PFUnA)	79.3	2.00	"	80.0		99.2	50-130		8.31	30	
Perfluorododecanoic acid (PFDoA)	84.3	2.00	"	80.0		105	50-130		4.53	30	
Perfluorotridecanoic acid (PFTrDA)	94.9	2.00	"	80.0		119	50-130		3.93	30	
Perfluorotetradecanoic acid (PFTA)	70.7	2.00	"	80.0		88.4	50-130		3.34	30	
N-MeFOSAA	89.5	2.00	"	80.0		112	50-130		1.86	30	
N-EtFOSAA	69.5	2.00	"	80.0		86.9	50-130		17.1	30	
Perfluoropentanoic acid (PFPeA)	93.4	2.00	"	80.0		117	50-130		0.224	30	
Perfluoro-1-octanesulfonamide (FOSA)	93.2	2.00	"	80.0		117	50-130		6.67	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.1	2.00	"	76.4		115	50-130		2.08	30	
Perfluoro-1-decanesulfonic acid (PFDS)	87.6	2.00	"	77.2		113	50-130		14.2	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	80.1	5.00	"	76.0		105	50-175		10.9	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	83.3	2.00	"	76.8		108	50-175		2.89	30	
Perfluoro-n-butanoic acid (PFBA)	87.3	2.00	"	80.0		109	50-130		0.0594	30	
Surrogate: M3PFBS	*67.1*		*"*	*74.3*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*91.7*		*"*	*80.0*		*115*	*25-150*				
Surrogate: M4PFHpA	*83.5*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*69.5*		*"*	*75.7*		*91.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.4*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M6PFDA	*87.7*		*"*	*80.0*		*110*	*25-150*				
Surrogate: M7PFUdA	*86.0*		*"*	*80.0*		*108*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.6*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M2PFTeDA	*89.2*		*"*	*80.0*		*111*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.8*		*"*	*80.0*		*99.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.5*		*"*	*76.6*		*90.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.6*		*"*	*80.0*		*93.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*49.9*		*"*	*80.0*		*62.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*81.1*		*"*	*80.0*		*101*	*25-150*				
Surrogate: d5-N-EtFOSAA	*100*		*"*	*80.0*		*125*	*25-150*				
Surrogate: M2-6:2 FTS	*73.5*		*"*	*75.9*		*96.8*	*25-200*				
Surrogate: M2-8:2 FTS	*72.3*		*"*	*76.6*		*94.3*	*25-200*				
Surrogate: M9PFNA	*76.7*		*"*	*80.0*		*95.9*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20807 - EPA 3550C											
Blank (BH20807-BLK1) Blank									Prepared: 08/12/2022 Analyzed: 08/15/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0511*		*"*	*0.0664*		*76.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0484*		*"*	*0.0664*		*72.8*	*30-150*				
LCS (BH20807-BS1) LCS									Prepared: 08/12/2022 Analyzed: 08/15/2022		
4,4'-DDD	0.0208	0.00164	mg/kg wet	0.0332		62.6	40-140				
4,4'-DDE	0.0193	0.00164	"	0.0332		58.2	40-140				
4,4'-DDT	0.0164	0.00164	"	0.0332		49.4	40-140				
Aldrin	0.0229	0.00164	"	0.0332		69.0	40-140				
alpha-BHC	0.0214	0.00164	"	0.0332		64.4	40-140				
alpha-Chlordane	0.0222	0.00164	"	0.0332		66.8	40-140				
beta-BHC	0.0238	0.00164	"	0.0332		71.5	40-140				
delta-BHC	0.0182	0.00164	"	0.0332		54.9	40-140				
Dieldrin	0.0225	0.00164	"	0.0332		67.8	40-140				
Endosulfan I	0.0248	0.00164	"	0.0332		74.5	40-140				
Endosulfan II	0.0234	0.00164	"	0.0332		70.3	40-140				
Endosulfan sulfate	0.0213	0.00164	"	0.0332		64.1	40-140				
Endrin	0.0198	0.00164	"	0.0332		59.7	40-140				
Endrin aldehyde	0.0234	0.00164	"	0.0332		70.4	40-140				
Endrin ketone	0.0223	0.00164	"	0.0332		67.2	40-140				
gamma-BHC (Lindane)	0.0216	0.00164	"	0.0332		65.1	40-140				
gamma-Chlordane	0.0228	0.00164	"	0.0332		68.5	40-140				
Heptachlor	0.0218	0.00164	"	0.0332		65.6	40-140				
Heptachlor epoxide	0.0234	0.00164	"	0.0332		70.6	40-140				
Methoxychlor	0.0157	0.00164	"	0.0332		47.1	40-140				
Surrogate: Decachlorobiphenyl	*0.0613*		*"*	*0.0664*		*92.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0580*		*"*	*0.0664*		*87.3*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20807 - EPA 3550C											
Blank (BH20807-BLK2) Blank									Prepared: 08/12/2022 Analyzed: 08/15/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0492*		*"*	*0.0664*		*74.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0618*		*"*	*0.0664*		*93.0*	*30-150*				
LCS (BH20807-BS2) LCS									Prepared: 08/12/2022 Analyzed: 08/15/2022		
Aroclor 1016	0.359	0.0166	mg/kg wet	0.332		108	40-140			30	
Aroclor 1260	0.393	0.0166	"	0.332		118	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0631*		*"*	*0.0664*		*95.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0794*		*"*	*0.0664*		*120*	*30-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20849 - EPA 3550C/8151A											
Blank (BH20849-BLK1) Blank								Prepared & Analyzed: 08/15/2022			
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.458*		*"*	*0.417*		*110*	*21-150*				
LCS (BH20849-BS1) LCS								Prepared & Analyzed: 08/15/2022			
2,4,5-T	0.116	0.0199	mg/kg wet	0.133		87.5	10-120				
2,4,5-TP (Silvex)	0.122	0.0199	"	0.133		91.9	10-120				
2,4-D	0.140	0.0199	"	0.133		105	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.448*		*"*	*0.415*		*108*	*21-150*				
Matrix Spike (BH20849-MS1) Matrix Spike *Source sample: 22H0399-02 (Matrix Spike)								Prepared: 08/15/2022 Analyzed: 08/16/2022			
2,4,5-T	0.117	0.0243	mg/kg dry	0.162	ND	72.5	10-120				
2,4,5-TP (Silvex)	0.120	0.0243	"	0.162	ND	73.7	10-120				
2,4-D	0.141	0.0243	"	0.162	ND	86.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.457*		*"*	*0.506*		*90.2*	*21-150*				
Matrix Spike (BH20849-MS2) Matrix Spike *Source sample: 22H0399-03 (Matrix Spike)								Prepared: 08/15/2022 Analyzed: 08/16/2022			
2,4,5-T	0.0942	0.0233	mg/kg dry	0.155	ND	60.6	10-120				
2,4,5-TP (Silvex)	0.0980	0.0233	"	0.155	ND	63.1	10-120				
2,4-D	0.103	0.0233	"	0.155	ND	66.3	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.354*		*"*	*0.485*		*73.0*	*21-150*				
Matrix Spike Dup (BH20849-! Matrix Spike Dup *Source sample: 22H0399-02 (Matrix Spike Dup)								Prepared: 08/15/2022 Analyzed: 08/16/2022			
2,4,5-T	0.100	0.0243	mg/kg dry	0.162	ND	61.9	10-120		15.8	35	
2,4,5-TP (Silvex)	0.105	0.0243	"	0.162	ND	65.0	10-120		12.6	35	
2,4-D	0.127	0.0243	"	0.162	ND	78.1	10-118		10.6	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.472*		*"*	*0.506*		*93.2*	*21-150*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20849 - EPA 3550C/8151A											
Matrix Spike Dup (BH20849-! Matrix Spike Dup	*Source sample: 22H0399-03 (Matrix Spike Dup)								Prepared: 08/15/2022 Analyzed: 08/16/2022		
2,4,5-T	0.105	0.0233	mg/kg dry	0.155	ND	67.5	10-120		10.7	35	
2,4,5-TP (Silvex)	0.116	0.0233	"	0.155	ND	74.4	10-120		16.4	35	
2,4-D	0.116	0.0233	"	0.155	ND	75.0	10-118		12.4	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.429*		*"*	*0.485*		*88.4*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20688 - EPA 3050B											
Blank (BH20688-BLK1) Blank									Prepared: 08/11/2022 Analyzed: 08/12/2022		
Aluminum	ND	6.00	mg/kg wet								
Antimony	ND	3.00	"								
Arsenic	ND	1.80	"								
Barium	ND	3.00	"								
Beryllium	ND	0.060	"								
Cadmium	ND	0.360	"								
Calcium	ND	6.00	"								
Chromium	ND	0.600	"								
Cobalt	ND	0.480	"								
Copper	ND	2.40	"								
Iron	ND	30.0	"								
Lead	ND	0.600	"								
Magnesium	ND	6.00	"								
Manganese	ND	0.600	"								
Nickel	ND	1.20	"								
Potassium	ND	6.00	"								
Selenium	ND	3.00	"								
Silver	ND	0.600	"								
Sodium	ND	60.0	"								
Thallium	ND	3.00	"								
Vanadium	ND	1.20	"								
Zinc	ND	3.00	"								
Duplicate (BH20688-DUP1) Duplicate	*Source sample: 22H0638-01 (EP64_7.5)								Prepared: 08/11/2022 Analyzed: 08/12/2022		
Aluminum	6820	5.78	mg/kg dry		7170				5.03	35	
Antimony	3.12	2.89	"		4.58				37.8	35	Non-dir.
Arsenic	2.37	1.73	"		3.35				34.2	35	
Barium	69.0	2.89	"		52.2				27.8	35	
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.347	"		ND					35	
Calcium	3060	5.78	"		2510				19.7	35	
Chromium	41.5	0.578	"		36.6				12.3	35	
Cobalt	17.5	0.462	"		16.8				4.00	35	
Copper	33.2	2.31	"		34.2				2.95	35	
Iron	17900	28.9	"		21000				15.7	35	
Lead	77.8	0.578	"		87.1				11.2	35	
Magnesium	6850	5.78	"		5920				14.6	35	
Manganese	365	0.578	"		335				8.38	35	
Nickel	211	1.16	"		207				1.88	35	
Potassium	594	5.78	"		983				49.4	35	Non-dir.
Selenium	ND	2.89	"		ND					35	
Silver	ND	0.578	"		ND					35	
Sodium	225	57.8	"		226				0.542	35	
Thallium	ND	2.89	"		ND					35	
Vanadium	26.6	1.16	"		24.4				8.66	35	
Zinc	127	2.89	"		122				3.91	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20688 - EPA 3050B											
Matrix Spike (BH20688-MS1) Matrix Spike	*Source sample: 22H0638-01 (EP64_7.5)								Prepared: 08/11/2022 Analyzed: 08/12/2022		
Aluminum	7950	5.78	mg/kg dry	193	7170	402	75-125	High Bias			
Antimony	12.1	2.89	"	24.1	4.58	31.2	75-125	Low Bias			
Arsenic	199	1.73	"	193	3.35	102	75-125				
Barium	271	2.89	"	193	52.2	114	75-125				
Beryllium	4.70	0.058	"	4.82	ND	97.6	75-125				
Cadmium	4.59	0.347	"	4.82	ND	95.3	75-125				
Calcium	3820	5.78	"	96.3	2510	NR	75-125	High Bias			
Chromium	74.5	0.578	"	19.3	36.6	196	75-125	High Bias			
Cobalt	73.3	0.462	"	48.2	16.8	117	75-125				
Copper	62.1	2.31	"	24.1	34.2	116	75-125				
Iron	21700	28.9	"	96.3	21000	825	75-125	High Bias			
Lead	130	0.578	"	48.2	87.1	88.9	75-125				
Magnesium	8180	5.78	"	96.3	5920	NR	75-125	High Bias			
Manganese	449	0.578	"	48.2	335	237	75-125	High Bias			
Nickel	286	1.16	"	48.2	207	165	75-125	High Bias			
Potassium	1040	5.78	"	96.3	983	61.4	75-125	Low Bias			
Selenium	146	2.89	"	193	ND	75.7	75-125				
Silver	3.87	0.578	"	4.82	ND	80.4	75-125				
Sodium	460	57.8	"	96.3	226	243	75-125	High Bias			
Thallium	184	2.89	"	193	ND	95.6	75-125				
Vanadium	76.9	1.16	"	48.2	24.4	109	75-125				
Zinc	180	2.89	"	48.2	122	121	75-125				
Post Spike (BH20688-PS1) Post Spike	*Source sample: 22H0638-01 (EP64_7.5)								Prepared: 08/11/2022 Analyzed: 08/12/2022		
Aluminum	74.6		ug/mL	2.00	64.2	520	75-125	High Bias			
Antimony	0.313		"	0.250	0.041	109	75-125				
Arsenic	2.14		"	2.00	0.030	105	75-125				
Barium	2.80		"	2.00	0.467	116	75-125				
Beryllium	0.049		"	0.0500	-0.004	97.6	75-125				
Cadmium	0.052		"	0.0500	-0.003	104	75-125				
Calcium	27.3		"	1.00	22.5	476	75-125	High Bias			
Chromium	0.584		"	0.200	0.328	128	75-125	High Bias			
Cobalt	0.725		"	0.500	0.151	115	75-125				
Copper	0.635		"	0.250	0.306	132	75-125	High Bias			
Iron	213		"	1.00	187	NR	75-125	High Bias			
Lead	1.47		"	0.500	0.779	139	75-125	High Bias			
Magnesium	60.8		"	1.00	53.0	785	75-125	High Bias			
Manganese	3.93		"	0.500	3.00	185	75-125	High Bias			
Nickel	2.65		"	0.500	1.85	160	75-125	High Bias			
Potassium	10.2		"	1.00	8.80	140	75-125	High Bias			
Selenium	1.57		"	2.00	-0.185	78.3	75-125				
Silver	0.035		"	0.0500	-0.005	70.2	75-125	Low Bias			
Sodium	4.32		"	1.00	2.03	229	75-125	High Bias			
Thallium	1.99		"	2.00	-0.028	99.4	75-125				
Vanadium	0.790		"	0.500	0.218	114	75-125				
Zinc	1.78		"	0.500	1.09	138	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20688 - EPA 3050B											
Reference (BH20688-SRM1) Reference								Prepared: 08/11/2022 Analyzed: 08/12/2022			
Aluminum	8840	6.00	mg/kg wet	10100		87.5	39.5-118.8				
Antimony	72.0	3.00	"	244		29.5	10-123				
Arsenic	110	1.80	"	109		101	63.7-118.3				
Barium	403	3.00	"	364		111	70.3-117				
Beryllium	58.7	0.060	"	57.0		103	69.3-115.4				
Cadmium	50.1	0.360	"	48.7		103	67.8-112.9				
Calcium	5100	6.00	"	5190		98.3	66.3-116.6				
Chromium	182	0.600	"	173		105	65.3-120.8				
Cobalt	163	0.480	"	148		110	70.3-117.6				
Copper	207	2.40	"	179		116	70.9-117.9				
Iron	13900	30.0	"	15000		92.5	36.8-162.7				
Lead	117	0.600	"	101		116	69.1-126.7				
Magnesium	2700	6.00	"	2570		105	56.4-124.9				
Manganese	398	0.600	"	370		108	72.2-119.2				
Nickel	65.5	1.20	"	52.2		125	63.4-117.8	High Bias			
Potassium	2050	6.00	"	2420		84.9	49.6-118.6				
Selenium	72.9	3.00	"	104		70.1	58.5-122.1				
Silver	27.9	0.600	"	29.9		93.4	63.5-123.7				
Sodium	799	60.0	"	161		496	30.1-139.1	High Bias			
Thallium	93.5	3.00	"	101		92.6	59.8-120.8				
Vanadium	199	1.20	"	194		102	73.2-117				
Zinc	440	3.00	"	431		102	74.9-121.1				
Batch BH20707 - EPA 3050B											
Blank (BH20707-BLK1) Blank								Prepared: 08/11/2022 Analyzed: 08/15/2022			
Aluminum	ND	6.00	mg/kg wet								
Antimony	ND	3.00	"								
Arsenic	ND	1.80	"								
Barium	ND	3.00	"								
Beryllium	ND	0.060	"								
Cadmium	ND	0.360	"								
Calcium	16.8	6.00	"								
Chromium	ND	0.600	"								
Cobalt	ND	0.480	"								
Copper	ND	2.40	"								
Iron	ND	30.0	"								
Lead	0.616	0.600	"								
Magnesium	6.10	6.00	"								
Manganese	ND	0.600	"								
Nickel	ND	1.20	"								
Potassium	ND	6.00	"								
Selenium	ND	3.00	"								
Silver	ND	0.600	"								
Sodium	ND	60.0	"								
Thallium	ND	3.00	"								
Vanadium	ND	1.20	"								
Zinc	ND	3.00	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20707 - EPA 3050B											
Duplicate (BH20707-DUP1) Duplicate	*Source sample: 22H0638-02 (EP73_7.5)								Prepared: 08/11/2022 Analyzed: 08/15/2022		
Aluminum	6720	5.78	mg/kg dry		11600				53.2	35	Non-dir.
Antimony	3.57	2.89	"		3.50				2.09	35	
Arsenic	8.66	1.73	"		8.97				3.47	35	
Barium	154	2.89	"		953				144	35	Non-dir.
Beryllium	ND	0.058	"		ND					35	
Cadmium	ND	0.347	"		ND					35	
Calcium	7430	5.78	"		12100				48.1	35	Non-dir.
Chromium	38.9	0.578	"		32.5				17.8	35	
Cobalt	12.2	0.463	"		12.8				5.48	35	
Copper	53.8	2.31	"		60.8				12.2	35	
Iron	14400	28.9	"		16100				10.8	35	
Lead	432	0.578	"		452				4.56	35	
Magnesium	9030	5.78	"		9430				4.29	35	
Manganese	194	0.578	"		203				4.52	35	
Nickel	141	1.16	"		133				5.40	35	
Potassium	642	5.78	"		889				32.3	35	
Selenium	ND	2.89	"		ND					35	
Silver	ND	0.578	"		ND					35	
Sodium	631	57.8	"		877				32.5	35	
Thallium	ND	2.89	"		ND					35	
Vanadium	31.3	1.16	"		34.1				8.44	35	
Zinc	274	2.89	"		292				6.62	35	
Matrix Spike (BH20707-MS1) Matrix Spike	*Source sample: 22H0638-02 (EP73_7.5)								Prepared: 08/11/2022 Analyzed: 08/15/2022		
Aluminum	8060	6.09	mg/kg dry	203	11600	NR	75-125	Low Bias			
Antimony	9.71	3.04	"	25.4	3.50	24.5	75-125	Low Bias			
Arsenic	213	1.83	"	203	8.97	101	75-125				
Barium	376	3.04	"	203	953	NR	75-125	Low Bias			
Beryllium	4.81	0.061	"	5.07	ND	94.8	75-125				
Cadmium	5.94	0.365	"	5.07	ND	117	75-125				
Calcium	8800	6.09	"	101	12100	NR	75-125	Low Bias			
Chromium	61.8	0.609	"	20.3	32.5	144	75-125	High Bias			
Cobalt	70.9	0.487	"	50.7	12.8	115	75-125				
Copper	90.6	2.43	"	25.4	60.8	118	75-125				
Iron	19000	30.4	"	101	16100	NR	75-125	High Bias			
Lead	514	0.609	"	50.7	452	121	75-125				
Magnesium	13100	6.09	"	101	9430	NR	75-125	High Bias			
Manganese	278	0.609	"	50.7	203	148	75-125	High Bias			
Nickel	245	1.22	"	50.7	133	220	75-125	High Bias			
Potassium	622	6.09	"	101	889	NR	75-125	Low Bias			
Selenium	157	3.04	"	203	ND	77.2	75-125				
Silver	4.70	0.609	"	5.07	ND	92.8	75-125				
Sodium	964	60.9	"	101	877	85.8	75-125				
Thallium	189	3.04	"	203	ND	92.9	75-125				
Vanadium	87.7	1.22	"	50.7	34.1	106	75-125				
Zinc	365	3.04	"	50.7	292	144	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20707 - EPA 3050B											
Post Spike (BH20707-PS1) Post Spike	*Source sample: 22H0638-02 (EP73_7.5)							Prepared: 08/11/2022 Analyzed: 08/15/2022			
Aluminum	124		ug/mL	2.00	100	NR	75-125	High Bias			
Antimony	0.312		"	0.250	0.030	112	75-125				
Arsenic	2.15		"	2.00	0.078	104	75-125				
Barium	13.2		"	2.00	8.24	250	75-125	High Bias			
Beryllium	0.046		"	0.0500	-0.004	92.5	75-125				
Cadmium	0.056		"	0.0500	0.003	106	75-125				
Calcium	131		"	1.00	105	NR	75-125	High Bias			
Chromium	0.533		"	0.200	0.281	126	75-125	High Bias			
Cobalt	0.671		"	0.500	0.111	112	75-125				
Copper	0.868		"	0.250	0.525	137	75-125	High Bias			
Iron	168		"	1.00	139	NR	75-125	High Bias			
Lead	5.08		"	0.500	3.91	233	75-125	High Bias			
Magnesium	98.6		"	1.00	81.5	NR	75-125	High Bias			
Manganese	2.62		"	0.500	1.76	173	75-125	High Bias			
Nickel	1.98		"	0.500	1.15	165	75-125	High Bias			
Potassium	9.55		"	1.00	7.69	186	75-125	High Bias			
Selenium	1.57		"	2.00	-0.181	78.4	75-125				
Silver	0.039		"	0.0500	-0.0008	78.3	75-125				
Sodium	10.8		"	1.00	7.58	325	75-125	High Bias			
Thallium	1.96		"	2.00	-0.015	97.8	75-125				
Vanadium	0.847		"	0.500	0.295	111	75-125				
Zinc	3.46		"	0.500	2.53	186	75-125	High Bias			
Reference (BH20707-SRM1) Reference								Prepared: 08/11/2022 Analyzed: 08/15/2022			
Aluminum	9280	6.00	mg/kg wet	10100		91.9	39.5-118.8				
Antimony	72.8	3.00	"	244		29.9	10-123				
Arsenic	109	1.80	"	109		99.9	63.7-118.3				
Barium	384	3.00	"	364		105	70.3-117				
Beryllium	57.7	0.060	"	57.0		101	69.3-115.4				
Cadmium	48.6	0.360	"	48.7		99.7	67.8-112.9				
Calcium	5400	6.00	"	5190		104	66.3-116.6				
Chromium	176	0.600	"	173		102	65.3-120.8				
Cobalt	159	0.480	"	148		107	70.3-117.6				
Copper	202	2.40	"	179		113	70.9-117.9				
Iron	14700	30.0	"	15000		98.1	36.8-162.7				
Lead	113	0.600	"	101		112	69.1-126.7				
Magnesium	2660	6.00	"	2570		104	56.4-124.9				
Manganese	388	0.600	"	370		105	72.2-119.2				
Nickel	70.2	1.20	"	52.2		135	63.4-117.8	High Bias			
Potassium	2050	6.00	"	2420		84.9	49.6-118.6				
Selenium	62.7	3.00	"	104		60.3	58.5-122.1				
Silver	28.9	0.600	"	29.9		96.6	63.5-123.7				
Sodium	763	60.0	"	161		474	30.1-139.1	High Bias			
Thallium	95.8	3.00	"	101		94.9	59.8-120.8				
Vanadium	192	1.20	"	194		98.9	73.2-117				
Zinc	449	3.00	"	431		104	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20903 - EPA 7473 soil											
Blank (BH20903-BLK1) Blank								Prepared & Analyzed: 08/15/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BH20903-DUP1) Duplicate	*Source sample: 22G1370-12 (Duplicate)							Prepared & Analyzed: 08/15/2022			
Mercury	0.0855	0.0351	mg/kg dry		0.120				33.2	35	
Matrix Spike (BH20903-MS1) Matrix Spike	*Source sample: 22G1370-12 (Matrix Spike)							Prepared & Analyzed: 08/15/2022			
Mercury	0.649		mg/kg	0.500	0.102	109	75-125				
Reference (BH20903-SRM1) Reference								Prepared & Analyzed: 08/15/2022			
Mercury	34.660		mg/kg	27.2		127	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20870 - EPA SW846-3060												
Blank (BH20870-BLK1)	Blank								Prepared & Analyzed: 08/15/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BH20870-DUP1)	Duplicate	*Source sample: 22H0229-03 (Duplicate)							Prepared & Analyzed: 08/15/2022			
Chromium, Hexavalent		ND	0.541	mg/kg dry		ND					35	
Matrix Spike (BH20870-MS1)	Matrix Spike	*Source sample: 22H0229-03 (Matrix Spike)							Prepared & Analyzed: 08/15/2022			
Chromium, Hexavalent		14.0	0.541	mg/kg dry	21.6	ND	64.6	75-125	Low Bias			
Reference (BH20870-SRM1)	Reference								Prepared & Analyzed: 08/15/2022			
Chromium, Hexavalent		106		mg/L	131		80.8	33.8-169.5				
Batch BH20935 - Analysis Preparation Soil												
Blank (BH20935-BLK1)	Blank								Prepared: 08/15/2022 Analyzed: 08/16/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BH20935-DUP1)	Duplicate	*Source sample: 22H0399-03 (Duplicate)							Prepared: 08/15/2022 Analyzed: 08/16/2022			
Cyanide, total		ND	0.584	mg/kg dry		ND					15	
Matrix Spike (BH20935-MS1)	Matrix Spike	*Source sample: 22H0399-03 (Matrix Spike)							Prepared: 08/15/2022 Analyzed: 08/16/2022			
Cyanide, total		10.2	0.584	mg/kg dry	11.7	ND	87.5	79.6-107				
Reference (BH20935-SRM1)	Reference								Prepared: 08/15/2022 Analyzed: 08/16/2022			
Cyanide, total		89.7		ug/mL	86.8		103	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20819 - % Solids Prep											
Duplicate (BH20819-DUP1) Duplicate	*Source sample: 22H0638-02 (EP73_7.5)								Prepared: 08/12/2022 Analyzed: 08/14/2022		
% Solids	87.3	0.100	%		86.5				0.948	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22H0638-01	EP64_7.5	40mL Vial with Stir Bar-Cool 4° C
22H0638-02	EP73_7.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PCB-I	PCB calculations are based uoon the average response of 5 peaks for each Aroclor. For this sample an internference was present and the analyst was unable to use all 5 peaks.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22H0638

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: NYC	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Serron	Contact:	Contact:
E-mail: kserron@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay St

YOUR PO#:

Turn-Around Time

RUSH - Next Day	X
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Harrison Bluestone

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP64_7.5	S	8/10/22 13:45	TCL Pest 375 VOCs + SVOCs PCB, Pest/Herb metals ncl hdy cyanide tri-Hex chrom, PFAS, 1,4-Dioxane	
EP73_7.5	S	8/10/22 15:00		
FB01-PFAS_08102022	QC	8/10/22 15:15	PFAS	

Comments: cc: lesmail@langan.com
maroniza@langan.com

Samples iced/chilled at time of lab pickup? circle: Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time
Langan	8/10/22 15:25	Nort N York Labs	8/10/22 1539	Nort N York Labs	8/10/22 1550
4. Samples Received by / Company	Date/Time	5. Samples Relinquished by / Company	Date/Time	6. Samples Received by / Company	Date/Time
I.B	8.10.22 1550	I.B	8.10.22 2015		
7. Samples Relinquished by / Company	Date/Time	8. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					8/10/22 2015 / 5.2 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 08/23/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H0893

Report Date: 08/23/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H0893

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 15, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22H0893-01	EP68_-5.5	Soil	08/15/2022	08/15/2022
22H0893-02	EP74_-5.5	Soil	08/15/2022	08/15/2022
22H0893-03	FB01_PFAS_08152022	Water	08/15/2022	08/15/2022

General Notes for York Project (SDG) No.: 22H0893

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 08/23/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0082**	J	mg/kg dry	0.0049	0.0098	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	08/16/2022 06:10	08/16/2022 12:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*40.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*32.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*50.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*39.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*49.3 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*37.9 %*	*24-116*

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/22/2022 08:34	08/22/2022 22:48	KH

Surrogate Recoveries	Result	Acceptance Range
17647-74-4 *Surrogate: 1,4-Dioxane-d8*	*62.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL

Sample Information

Client Sample ID: **EP68_-5.5** **York Sample ID:** **22H0893-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.277	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:33	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*67.7 %*	*25-150*
Surrogate: M5PFHxA	*67.9 %*	*25-150*
Surrogate: M4PFHpA	*80.5 %*	*25-150*
Surrogate: M3PFHxS	*61.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*69.1 %*	*25-150*
Surrogate: M6PFDA	*68.6 %*	*25-150*
Surrogate: M7PFUdA	*61.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*57.8 %*	*25-150*
Surrogate: M2PFTeDA	*45.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*66.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*69.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*58.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*61.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*68.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*62.4 %*	*25-200*
Surrogate: M9PFNA	*70.9 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:13	BJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:13	BJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:13	BJ

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.187	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:13	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.5 %*	*30-150*

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	08/19/2022 13:51	08/22/2022 12:55	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*108 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A	08/18/2022 14:28	08/19/2022 19:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A	08/18/2022 14:28	08/19/2022 19:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A	08/18/2022 14:28	08/19/2022 19:54	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*79.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5000**		mg/kg dry	6.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.80	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**36.9**		mg/kg dry	3.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.360	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1340**	B	mg/kg dry	6.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.5**		mg/kg dry	0.600	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.3**		mg/kg dry	0.480	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**21.9**		mg/kg dry	2.40	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13100**		mg/kg dry	30.0	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**18.9**		mg/kg dry	0.600	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5270**		mg/kg dry	6.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**214**		mg/kg dry	0.600	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**145**		mg/kg dry	1.20	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**613**	B	mg/kg dry	6.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	60.0	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.9**		mg/kg dry	1.20	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**22.4**		mg/kg dry	3.00	1	EPA 6010D	08/16/2022 12:00	08/18/2022 17:59	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP68_-5.5 **York Sample ID:** 22H0893-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:35 pm	08/15/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0342	1	EPA 7473	08/18/2022 10:05	08/18/2022 17:00	ZTS
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.570	1	EPA 7196A	08/17/2022 08:03	08/17/2022 16:39	sgs
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**24.5**		mg/kg	0.500	1	Calculation	08/19/2022 18:15	08/22/2022 17:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.570	1	EPA 9014/9010C	08/23/2022 08:59	08/23/2022 15:05	RST
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.7**		%	0.100	1	SM 2540G	08/17/2022 17:42	08/17/2022 22:16	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.037	0.074	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.010**	CCVE	mg/kg dry	0.0037	0.0074	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0037**	J	mg/kg dry	0.0037	0.0074	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0018	0.0037	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C	08/16/2022 06:10	08/16/2022 13:05	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.190	0.381	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0951	0.190	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0477	0.0951	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.381	2	EPA 8270D	08/19/2022 08:26	08/19/2022 19:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*33.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*41.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*58.9 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*42.6 %*	*24-116*

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	08/22/2022 08:34	08/22/2022 23:05	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*68.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.283	1	EPA 537m Certifications:	08/16/2022 13:39	08/18/2022 02:46	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*72.7 %*	*25-150*
Surrogate: M5PFHxA	*80.8 %*	*25-150*
Surrogate: M4PFHpA	*93.1 %*	*25-150*
Surrogate: M3PFHxS	*82.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*85.2 %*	*25-150*
Surrogate: M6PFDA	*67.8 %*	*25-150*
Surrogate: M7PFUdA	*67.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.6 %*	*25-150*
Surrogate: M2PFTeDA	*58.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*77.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*82.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*78.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*76.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*67.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*80.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*77.7 %*	*25-200*
Surrogate: M9PFNA	*71.2 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:31	BJ
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:31	BJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/19/2022 13:51	08/22/2022 13:31	BJ

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B	08/19/2022 13:51	08/22/2022 13:31	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*89.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.5 %*	*30-150*

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	08/19/2022 13:51	08/22/2022 13:09	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*97.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*117 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A	08/18/2022 14:28	08/19/2022 20:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A	08/18/2022 14:28	08/19/2022 20:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A	08/18/2022 14:28	08/19/2022 20:05	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*85.0 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5580**		mg/kg dry	6.04	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.81	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**35.7**		mg/kg dry	3.02	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.362	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1240**	B	mg/kg dry	6.04	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.2**		mg/kg dry	0.604	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**13.2**		mg/kg dry	0.483	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**21.4**		mg/kg dry	2.42	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12600**		mg/kg dry	30.2	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**11.3**		mg/kg dry	0.604	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3520**		mg/kg dry	6.04	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**152**		mg/kg dry	0.604	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**155**		mg/kg dry	1.21	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1040**	B	mg/kg dry	6.04	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.604	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	60.4	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.0**		mg/kg dry	1.21	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**22.9**		mg/kg dry	3.02	1	EPA 6010D	08/16/2022 12:00	08/18/2022 18:01	AJL
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP74_-5.5 **York Sample ID:** 22H0893-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Soil	August 15, 2022 2:30 pm	08/15/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0344	1	EPA 7473	08/18/2022 10:05	08/18/2022 17:09	ZTS
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.574	1	EPA 7196A	08/17/2022 08:03	08/17/2022 16:39	sgs
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.2**		mg/kg	0.500	1	Calculation	08/19/2022 18:15	08/22/2022 17:14	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.574	1	EPA 9014/9010C	08/23/2022 08:59	08/23/2022 15:05	RST
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.1**		%	0.100	1	SM 2540G	08/17/2022 17:42	08/17/2022 22:16	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: FB01_PFAS_08152022 **York Sample ID:** 22H0893-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Water	August 15, 2022 2:33 pm	08/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL

Sample Information

Client Sample ID: FB01_PFAS_08152022 **York Sample ID:** 22H0893-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0893	170610601	Water	August 15, 2022 2:33 pm	08/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	08/16/2022 12:12	08/17/2022 13:25	WEL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.2 %*	*25-150*
Surrogate: M5PFHxA	*83.1 %*	*25-150*
Surrogate: M4PFHpA	*101 %*	*25-150*
Surrogate: M3PFHxS	*85.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.5 %*	*25-150*
Surrogate: M6PFDA	*77.3 %*	*25-150*
Surrogate: M7PFUdA	*78.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*78.3 %*	*25-150*
Surrogate: M2PFTeDA	*63.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*85.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*71.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*84.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*79.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*89.8 %*	*25-200*
Surrogate: M9PFNA	*84.4 %*	*25-150*

Analytical Batch Summary

Batch ID: BH20894 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/16/22
22H0893-02	EP74_-5.5	08/16/22
BH20894-BLK1	Blank	08/16/22
BH20894-BS1	LCS	08/16/22
BH20894-BSD1	LCS Dup	08/16/22
BH20894-MS1	Matrix Spike	08/16/22
BH20894-MSD1	Matrix Spike Dup	08/16/22

Batch ID: BH20963 **Preparation Method:** EPA 3050B **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/16/22
22H0893-02	EP74_-5.5	08/16/22
BH20963-BLK1	Blank	08/16/22
BH20963-DUP1	Duplicate	08/16/22
BH20963-MS1	Matrix Spike	08/16/22
BH20963-PS1	Post Spike	08/16/22
BH20963-SRM1	Reference	08/16/22

Batch ID: BH20983 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-03	FB01_PFAS_08152022	08/16/22
BH20983-BLK1	Blank	08/16/22
BH20983-BS1	LCS	08/16/22
BH20983-BSD1	LCS Dup	08/16/22

Batch ID: BH20990 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** BAMW

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/16/22
22H0893-02	EP74_-5.5	08/16/22
BH20990-BLK1	Blank	08/16/22
BH20990-BS1	LCS	08/16/22
BH20990-MS1	Matrix Spike	08/16/22
BH20990-MSD1	Matrix Spike Dup	08/16/22

Batch ID: BH21037 **Preparation Method:** EPA SW846-3060 **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/17/22
22H0893-02	EP74_-5.5	08/17/22
BH21037-BLK1	Blank	08/17/22

BH21037-DUP1	Duplicate	08/17/22
BH21037-MS1	Matrix Spike	08/17/22
BH21037-SRM1	Reference	08/17/22

Batch ID: BH21104 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/17/22
22H0893-02	EP74_-5.5	08/17/22
BH21104-DUP1	Duplicate	08/17/22

Batch ID: BH21130 **Preparation Method:** EPA 7473 soil **Prepared By:** MR

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/18/22
22H0893-02	EP74_-5.5	08/18/22
BH21130-BLK1	Blank	08/18/22
BH21130-DUP1	Duplicate	08/18/22
BH21130-MS1	Matrix Spike	08/18/22
BH21130-SRM1	Reference	08/18/22

Batch ID: BH21172 **Preparation Method:** EPA 3550C/8151A **Prepared By:** VS

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/18/22
22H0893-02	EP74_-5.5	08/18/22
BH21172-BLK1	Blank	08/18/22
BH21172-BS1	LCS	08/18/22
BH21172-MS1	Matrix Spike	08/18/22
BH21172-MSD1	Matrix Spike Dup	08/18/22

Batch ID: BH21206 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KMB

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/19/22
22H0893-02	EP74_-5.5	08/19/22
BH21206-BLK1	Blank	08/19/22
BH21206-BS1	LCS	08/19/22
BH21206-MS1	Matrix Spike	08/19/22
BH21206-MSD1	Matrix Spike Dup	08/19/22

Batch ID: BH21233 **Preparation Method:** EPA 3550C **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/19/22
22H0893-01	EP68_-5.5	08/19/22
22H0893-02	EP74_-5.5	08/19/22
22H0893-02	EP74_-5.5	08/19/22

BH21233-BLK1	Blank	08/19/22
BH21233-BLK2	Blank	08/19/22
BH21233-BS1	LCS	08/19/22
BH21233-BS2	LCS	08/19/22

Batch ID: BH21254 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/19/22
22H0893-02	EP74_-5.5	08/19/22

Batch ID: BH21284 **Preparation Method:** EPA 3550C **Prepared By:** KMB

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/22/22
22H0893-02	EP74_-5.5	08/22/22
BH21284-BLK1	Blank	08/22/22
BH21284-BS1	LCS	08/22/22
BH21284-MS1	Matrix Spike	08/22/22
BH21284-MS2	Matrix Spike	08/22/22
BH21284-MSD1	Matrix Spike Dup	08/22/22
BH21284-MSD2	Matrix Spike Dup	08/22/22

Batch ID: BH21360 **Preparation Method:** Analysis Preparation Soil **Prepared By:** RST

YORK Sample ID	Client Sample ID	Preparation Date
22H0893-01	EP68_-5.5	08/23/22
22H0893-02	EP74_-5.5	08/23/22
BH21360-BLK1	Blank	08/23/22
BH21360-DUP1	Duplicate	08/23/22
BH21360-MS1	Matrix Spike	08/23/22
BH21360-SRM1	Reference	08/23/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
Blank (BH20894-BLK1) Blank									Prepared & Analyzed: 08/16/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
Blank (BH20894-BLK1) Blank								Prepared & Analyzed: 08/16/2022			
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
LCS (BH20894-BS1) LCS								Prepared & Analyzed: 08/16/2022			
1,1,1,2-Tetrachloroethane	53.9		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137				
1,1,2,2-Tetrachloroethane	52.8		"	50.0		106	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.6	58-146				
1,1,2-Trichloroethane	50.9		"	50.0		102	83-123				
1,1-Dichloroethane	47.6		"	50.0		95.2	75-130				
1,1-Dichloroethylene	55.7		"	50.0		111	64-137				
1,2,3-Trichlorobenzene	53.8		"	50.0		108	81-140				
1,2,3-Trichloropropane	53.7		"	50.0		107	81-126				
1,2,4-Trichlorobenzene	55.5		"	50.0		111	80-141				
1,2,4-Trimethylbenzene	55.7		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	57.3		"	50.0		115	74-142				
1,2-Dibromoethane	53.1		"	50.0		106	86-123				
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122				
1,2-Dichloroethane	49.0		"	50.0		97.9	71-133				
1,2-Dichloropropane	51.8		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	55.3		"	50.0		111	82-126				
1,3-Dichlorobenzene	52.8		"	50.0		106	84-124				
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124				
1,4-Dioxane	1100		"	1050		105	10-228				
2-Butanone	45.5		"	50.0		90.9	58-147				
2-Hexanone	51.4		"	50.0		103	70-139				
4-Methyl-2-pentanone	37.5		"	50.0		75.0	72-132				
Acetone	41.3		"	50.0		82.6	36-155				
Acrolein	51.9		"	50.0		104	10-238				
Acrylonitrile	46.1		"	50.0		92.3	66-141				
Benzene	49.0		"	50.0		98.1	77-127				
Bromochloromethane	47.6		"	50.0		95.2	74-129				
Bromodichloromethane	55.8		"	50.0		112	81-124				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
LCS (BH20894-BS1) LCS							Prepared & Analyzed: 08/16/2022				
Bromoform	50.3		ug/L	50.0		101	80-136				
Bromomethane	41.4		"	50.0		82.8	32-177				
Carbon disulfide	52.0		"	50.0		104	10-136				
Carbon tetrachloride	54.4		"	50.0		109	66-143				
Chlorobenzene	54.2		"	50.0		108	86-120				
Chloroethane	44.4		"	50.0		88.9	51-142				
Chloroform	51.1		"	50.0		102	76-131				
Chloromethane	39.6		"	50.0		79.3	49-132				
cis-1,2-Dichloroethylene	49.5		"	50.0		98.9	74-132				
cis-1,3-Dichloropropylene	54.5		"	50.0		109	81-129				
Cyclohexane	42.8		"	50.0		85.6	70-130				
Dibromochloromethane	55.7		"	50.0		111	10-200				
Dibromomethane	50.4		"	50.0		101	83-124				
Dichlorodifluoromethane	36.2		"	50.0		72.5	28-158				
Ethyl Benzene	55.1		"	50.0		110	84-125				
Hexachlorobutadiene	56.8		"	50.0		114	83-133				
Isopropylbenzene	58.7		"	50.0		117	81-127				
Methyl acetate	42.0		"	50.0		84.0	41-143				
Methyl tert-butyl ether (MTBE)	45.8		"	50.0		91.7	74-131				
Methylcyclohexane	47.7		"	50.0		95.5	70-130				
Methylene chloride	47.2		"	50.0		94.4	57-141				
n-Butylbenzene	53.4		"	50.0		107	80-130				
n-Propylbenzene	56.4		"	50.0		113	74-136				
o-Xylene	55.2		"	50.0		110	83-123				
p- & m- Xylenes	109		"	100		109	82-128				
p-Isopropyltoluene	56.3		"	50.0		113	85-125				
sec-Butylbenzene	56.0		"	50.0		112	83-125				
Styrene	51.6		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	261		"	250		104	70-130				
tert-Butylbenzene	50.2		"	50.0		100	80-127				
Tetrachloroethylene	47.5		"	50.0		94.9	80-129				
Toluene	51.2		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	49.3		"	50.0		98.7	72-132				
trans-1,3-Dichloropropylene	56.5		"	50.0		113	78-132				
Trichloroethylene	54.6		"	50.0		109	84-123				
Trichlorofluoromethane	41.9		"	50.0		83.7	62-140				
Vinyl Chloride	41.4		"	50.0		82.8	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*"*	*50.0*		*99.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.1*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
LCS Dup (BH20894-BSD1) LCS Dup							Prepared & Analyzed: 08/16/2022				
1,1,1,2-Tetrachloroethane	52.7		ug/L	50.0		105	75-129		2.27	30	
1,1,1-Trichloroethane	52.9		"	50.0		106	71-137		0.941	30	
1,1,2,2-Tetrachloroethane	53.6		"	50.0		107	79-129		1.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.1	58-146		1.46	30	
1,1,2-Trichloroethane	49.9		"	50.0		99.9	83-123		1.96	30	
1,1-Dichloroethane	48.1		"	50.0		96.2	75-130		1.02	30	
1,1-Dichloroethylene	53.2		"	50.0		106	64-137		4.63	30	
1,2,3-Trichlorobenzene	54.5		"	50.0		109	81-140		1.31	30	
1,2,3-Trichloropropane	55.8		"	50.0		112	81-126		3.85	30	
1,2,4-Trichlorobenzene	55.1		"	50.0		110	80-141		0.705	30	
1,2,4-Trimethylbenzene	56.4		"	50.0		113	84-125		1.18	30	
1,2-Dibromo-3-chloropropane	57.3		"	50.0		115	74-142		0.00	30	
1,2-Dibromoethane	52.4		"	50.0		105	86-123		1.38	30	
1,2-Dichlorobenzene	53.5		"	50.0		107	85-122		2.42	30	
1,2-Dichloroethane	48.6		"	50.0		97.2	71-133		0.779	30	
1,2-Dichloropropane	51.9		"	50.0		104	81-122		0.212	30	
1,3,5-Trimethylbenzene	55.1		"	50.0		110	82-126		0.326	30	
1,3-Dichlorobenzene	53.5		"	50.0		107	84-124		1.30	30	
1,4-Dichlorobenzene	53.8		"	50.0		108	84-124		2.24	30	
1,4-Dioxane	1080		"	1050		103	10-228		2.38	30	
2-Butanone	45.0		"	50.0		90.1	58-147		0.950	30	
2-Hexanone	50.7		"	50.0		101	70-139		1.39	30	
4-Methyl-2-pentanone	37.5		"	50.0		75.0	72-132		0.107	30	
Acetone	40.5		"	50.0		81.0	36-155		1.93	30	
Acrolein	49.0		"	50.0		98.0	10-238		5.71	30	
Acrylonitrile	44.1		"	50.0		88.2	66-141		4.48	30	
Benzene	48.3		"	50.0		96.6	77-127		1.54	30	
Bromochloromethane	47.4		"	50.0		94.8	74-129		0.358	30	
Bromodichloromethane	55.1		"	50.0		110	81-124		1.23	30	
Bromoform	50.8		"	50.0		102	80-136		1.05	30	
Bromomethane	40.1		"	50.0		80.1	32-177		3.27	30	
Carbon disulfide	50.4		"	50.0		101	10-136		3.09	30	
Carbon tetrachloride	52.8		"	50.0		106	66-143		2.96	30	
Chlorobenzene	54.1		"	50.0		108	86-120		0.203	30	
Chloroethane	42.6		"	50.0		85.3	51-142		4.11	30	
Chloroform	49.8		"	50.0		99.6	76-131		2.58	30	
Chloromethane	39.1		"	50.0		78.2	49-132		1.40	30	
cis-1,2-Dichloroethylene	48.9		"	50.0		97.8	74-132		1.16	30	
cis-1,3-Dichloropropylene	54.3		"	50.0		109	81-129		0.441	30	
Cyclohexane	41.9		"	50.0		83.7	70-130		2.17	30	
Dibromochloromethane	55.4		"	50.0		111	10-200		0.486	30	
Dibromomethane	49.4		"	50.0		98.8	83-124		2.04	30	
Dichlorodifluoromethane	35.0		"	50.0		69.9	28-158		3.60	30	
Ethyl Benzene	53.6		"	50.0		107	84-125		2.89	30	
Hexachlorobutadiene	56.3		"	50.0		113	83-133		0.938	30	
Isopropylbenzene	58.8		"	50.0		118	81-127		0.0170	30	
Methyl acetate	40.8		"	50.0		81.6	41-143		2.87	30	
Methyl tert-butyl ether (MTBE)	46.8		"	50.0		93.7	74-131		2.16	30	
Methylcyclohexane	47.2		"	50.0		94.3	70-130		1.22	30	
Methylene chloride	44.6		"	50.0		89.3	57-141		5.64	30	
n-Butylbenzene	53.5		"	50.0		107	80-130		0.150	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
LCS Dup (BH20894-BSD1) LCS Dup									Prepared & Analyzed: 08/16/2022		
n-Propylbenzene	56.4		ug/L	50.0		113	74-136		0.0532	30	
o-Xylene	54.7		"	50.0		109	83-123		1.00	30	
p- & m- Xylenes	108		"	100		108	82-128		1.13	30	
p-Isopropyltoluene	56.3		"	50.0		113	85-125		0.0178	30	
sec-Butylbenzene	56.2		"	50.0		112	83-125		0.374	30	
Styrene	50.8		"	50.0		102	86-126		1.60	30	
tert-Butyl alcohol (TBA)	255		"	250		102	70-130		2.13	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		0.714	30	
Tetrachloroethylene	47.5		"	50.0		95.0	80-129		0.126	30	
Toluene	50.8		"	50.0		102	85-121		0.686	30	
trans-1,2-Dichloroethylene	47.6		"	50.0		95.1	72-132		3.67	30	
trans-1,3-Dichloropropylene	55.3		"	50.0		111	78-132		2.13	30	
Trichloroethylene	52.8		"	50.0		106	84-123		3.43	30	
Trichlorofluoromethane	41.0		"	50.0		81.9	62-140		2.20	30	
Vinyl Chloride	39.8		"	50.0		79.6	52-130		3.89	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*"*	*50.0*		*104*	*76-130*				
Matrix Spike (BH20894-MS1) Matrix Spike *Source sample: 22H0745-03 (Matrix Spike)									Prepared & Analyzed: 08/16/2022		
1,1,1,2-Tetrachloroethane	43.4		ug/L	50.0	0.00	86.8	15-161				
1,1,1-Trichloroethane	48.2		"	50.0	0.00	96.3	42-145				
1,1,2,2-Tetrachloroethane	43.1		"	50.0	0.00	86.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.6		"	50.0	0.00	89.2	11-160				
1,1,2-Trichloroethane	41.5		"	50.0	0.00	83.0	44-145				
1,1-Dichloroethane	43.6		"	50.0	0.00	87.2	46-142				
1,1-Dichloroethylene	50.2		"	50.0	0.00	100	30-153				
1,2,3-Trichlorobenzene	30.2		"	50.0	0.00	60.5	10-157				
1,2,3-Trichloropropane	44.9		"	50.0	0.00	89.8	38-155				
1,2,4-Trichlorobenzene	30.5		"	50.0	0.00	61.0	10-151				
1,2,4-Trimethylbenzene	44.3		"	50.0	0.00	88.5	10-170				
1,2-Dibromo-3-chloropropane	41.6		"	50.0	0.00	83.1	36-138				
1,2-Dibromoethane	41.8		"	50.0	0.00	83.5	40-142				
1,2-Dichlorobenzene	37.3		"	50.0	0.00	74.7	10-147				
1,2-Dichloroethane	43.5		"	50.0	0.00	86.9	48-133				
1,2-Dichloropropane	45.4		"	50.0	0.00	90.7	47-141				
1,3,5-Trimethylbenzene	44.7		"	50.0	0.00	89.3	10-150				
1,3-Dichlorobenzene	37.6		"	50.0	0.00	75.2	10-144				
1,4-Dichlorobenzene	37.4		"	50.0	0.00	74.8	10-160				
1,4-Dioxane	715		"	1050	0.00	68.1	10-191				
2-Butanone	47.6		"	50.0	0.00	95.3	10-189				
2-Hexanone	41.6		"	50.0	0.00	83.3	10-181				
4-Methyl-2-pentanone	31.5		"	50.0	0.00	63.0	10-166				
Acetone	61.2		"	50.0	3.18	116	10-196				
Acrolein	32.8		"	50.0	0.00	65.7	10-192				
Acrylonitrile	38.0		"	50.0	0.00	76.0	13-161				
Benzene	43.0		"	50.0	0.00	85.9	43-139				
Bromochloromethane	44.0		"	50.0	0.00	88.0	38-145				
Bromodichloromethane	46.5		"	50.0	0.00	93.1	38-147				
Bromoform	38.7		"	50.0	0.00	77.4	29-156				
Bromomethane	40.4		"	50.0	0.00	80.8	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
Matrix Spike (BH20894-MS1) Matrix Spike	*Source sample: 22H0745-03 (Matrix Spike)							Prepared & Analyzed: 08/16/2022			
Carbon disulfide	47.1		ug/L	50.0	0.00	94.2	10-131				
Carbon tetrachloride	50.0		"	50.0	0.00	100	35-145				
Chlorobenzene	43.6		"	50.0	0.00	87.2	21-154				
Chloroethane	41.6		"	50.0	0.00	83.2	15-160				
Chloroform	45.2		"	50.0	0.00	90.4	47-142				
Chloromethane	34.7		"	50.0	0.00	69.4	10-159				
cis-1,2-Dichloroethylene	130		"	50.0	0.00	260	42-144	High Bias			
cis-1,3-Dichloropropylene	41.7		"	50.0	0.00	83.5	18-159				
Cyclohexane	38.8		"	50.0	0.00	77.5	70-130				
Dibromochloromethane	44.8		"	50.0	0.00	89.6	10-179				
Dibromomethane	42.6		"	50.0	0.00	85.3	47-143				
Dichlorodifluoromethane	28.0		"	50.0	0.00	56.1	10-145				
Ethyl Benzene	45.1		"	50.0	0.00	90.2	11-158				
Hexachlorobutadiene	39.0		"	50.0	0.00	78.0	10-158				
Isopropylbenzene	50.5		"	50.0	0.00	101	10-162				
Methyl acetate	36.2		"	50.0	0.00	72.5	10-149				
Methyl tert-butyl ether (MTBE)	40.1		"	50.0	0.00	80.2	42-152				
Methylcyclohexane	41.5		"	50.0	0.00	83.0	70-130				
Methylene chloride	52.0		"	50.0	10.8	82.2	28-151				
n-Butylbenzene	41.4		"	50.0	0.00	82.7	10-162				
n-Propylbenzene	47.1		"	50.0	0.00	94.2	10-155				
o-Xylene	45.3		"	50.0	0.00	90.7	10-158				
p- & m- Xylenes	90.3		"	100	0.00	90.3	10-156				
p-Isopropyltoluene	45.1		"	50.0	0.00	90.3	10-147				
sec-Butylbenzene	46.7		"	50.0	0.00	93.5	10-157				
Styrene	38.0		"	50.0	0.00	75.9	13-171				
tert-Butyl alcohol (TBA)	182		"	250	0.00	72.9	34-179				
tert-Butylbenzene	42.6		"	50.0	0.00	85.2	10-160				
Tetrachloroethylene	95.4		"	50.0	1120	NR	30-167	Low Bias			
Toluene	43.5		"	50.0	0.00	87.1	21-160				
trans-1,2-Dichloroethylene	44.3		"	50.0	0.00	88.6	29-153				
trans-1,3-Dichloropropylene	42.2		"	50.0	0.00	84.4	18-155				
Trichloroethylene	174		"	50.0	7.18	333	24-169	High Bias			
Trichlorofluoromethane	39.3		"	50.0	0.00	78.6	35-142				
Vinyl Chloride	40.3		"	50.0	0.00	80.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.4*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
Matrix Spike Dup (BH20894-! Matrix Spike Dup	*Source sample: 22H0745-03 (Matrix Spike Dup)								Prepared & Analyzed: 08/16/2022		
1,1,1,2-Tetrachloroethane	44.8		ug/L	50.0	0.00	89.6	15-161		3.22	33	
1,1,1-Trichloroethane	45.1		"	50.0	0.00	90.2	42-145		6.58	30	
1,1,2,2-Tetrachloroethane	46.1		"	50.0	0.00	92.2	16-167		6.66	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.4		"	50.0	0.00	76.8	11-160		15.0	31	
1,1,2-Trichloroethane	43.3		"	50.0	0.00	86.7	44-145		4.29	40	
1,1-Dichloroethane	41.7		"	50.0	0.00	83.4	46-142		4.48	36	
1,1-Dichloroethylene	46.9		"	50.0	0.00	93.8	30-153		6.85	31	
1,2,3-Trichlorobenzene	33.9		"	50.0	0.00	67.9	10-157		11.5	47	
1,2,3-Trichloropropane	46.8		"	50.0	0.00	93.5	38-155		4.10	48	
1,2,4-Trichlorobenzene	32.5		"	50.0	0.00	65.1	10-151		6.41	52	
1,2,4-Trimethylbenzene	40.8		"	50.0	0.00	81.7	10-170		8.01	242	
1,2-Dibromo-3-chloropropane	44.7		"	50.0	0.00	89.4	36-138		7.26	54	
1,2-Dibromoethane	44.7		"	50.0	0.00	89.4	40-142		6.80	39	
1,2-Dichlorobenzene	39.8		"	50.0	0.00	79.6	10-147		6.35	52	
1,2-Dichloroethane	44.7		"	50.0	0.00	89.4	48-133		2.86	32	
1,2-Dichloropropane	44.2		"	50.0	0.00	88.3	47-141		2.64	37	
1,3,5-Trimethylbenzene	40.2		"	50.0	0.00	80.4	10-150		10.5	62	
1,3-Dichlorobenzene	37.9		"	50.0	0.00	75.7	10-144		0.716	51	
1,4-Dichlorobenzene	38.0		"	50.0	0.00	76.0	10-160		1.62	52	
1,4-Dioxane	905		"	1050	0.00	86.2	10-191		23.5	196	
2-Butanone	42.7		"	50.0	0.00	85.5	10-189		10.9	67	
2-Hexanone	41.6		"	50.0	0.00	83.1	10-181		0.192	60	
4-Methyl-2-pentanone	31.8		"	50.0	0.00	63.5	10-166		0.886	47	
Acetone	45.1		"	50.0	3.18	83.8	10-196		30.3	150	
Acrolein	35.5		"	50.0	0.00	71.1	10-192		7.90	128	
Acrylonitrile	38.1		"	50.0	0.00	76.3	13-161		0.394	48	
Benzene	41.9		"	50.0	0.00	83.8	43-139		2.47	64	
Bromochloromethane	42.8		"	50.0	0.00	85.6	38-145		2.74	30	
Bromodichloromethane	46.7		"	50.0	0.00	93.4	38-147		0.386	37	
Bromoform	41.0		"	50.0	0.00	82.0	29-156		5.74	51	
Bromomethane	35.8		"	50.0	0.00	71.6	10-166		12.0	42	
Carbon disulfide	42.3		"	50.0	0.00	84.7	10-131		10.6	36	
Carbon tetrachloride	45.0		"	50.0	0.00	90.0	35-145		10.5	31	
Chlorobenzene	43.9		"	50.0	0.00	87.8	21-154		0.731	32	
Chloroethane	39.4		"	50.0	0.00	78.8	15-160		5.38	40	
Chloroform	44.0		"	50.0	0.00	88.0	47-142		2.74	29	
Chloromethane	33.7		"	50.0	0.00	67.4	10-159		3.04	31	
cis-1,2-Dichloroethylene	105		"	50.0	0.00	209	42-144	High Bias	21.5	30	
cis-1,3-Dichloropropylene	44.5		"	50.0	0.00	89.0	18-159		6.38	39	
Cyclohexane	35.2		"	50.0	0.00	70.4	70-130		9.60	30	
Dibromochloromethane	46.5		"	50.0	0.00	93.1	10-179		3.77	41	
Dibromomethane	44.2		"	50.0	0.00	88.4	47-143		3.59	41	
Dichlorodifluoromethane	25.9		"	50.0	0.00	51.9	10-145		7.82	34	
Ethyl Benzene	42.5		"	50.0	0.00	85.0	11-158		6.00	42	
Hexachlorobutadiene	27.1		"	50.0	0.00	54.1	10-158		36.1	45	
Isopropylbenzene	44.6		"	50.0	0.00	89.3	10-162		12.2	57	
Methyl acetate	36.3		"	50.0	0.00	72.6	10-149		0.193	64	
Methyl tert-butyl ether (MTBE)	40.6		"	50.0	0.00	81.2	42-152		1.31	47	
Methylcyclohexane	32.8		"	50.0	0.00	65.6	70-130	Low Bias	23.4	30	
Methylene chloride	50.5		"	50.0	10.8	79.3	28-151		2.81	49	
n-Butylbenzene	33.6		"	50.0	0.00	67.2	10-162		20.7	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20894 - EPA 5035A											
Matrix Spike Dup (BH20894-! Matrix Spike Dup	*Source sample: 22H0745-03 (Matrix Spike Dup)								Prepared & Analyzed: 08/16/2022		
n-Propylbenzene	40.7		ug/L	50.0	0.00	81.4	10-155		14.5	56	
o-Xylene	43.9		"	50.0	0.00	87.8	10-158		3.23	51	
p- & m- Xylenes	84.7		"	100	0.00	84.7	10-156		6.41	47	
p-Isopropyltoluene	37.6		"	50.0	0.00	75.1	10-147		18.3	60	
sec-Butylbenzene	38.2		"	50.0	0.00	76.5	10-157		20.0	56	
Styrene	40.2		"	50.0	0.00	80.4	13-171		5.81	39	
tert-Butyl alcohol (TBA)	194		"	250	0.00	77.5	34-179		6.16	35	
tert-Butylbenzene	36.7		"	50.0	0.00	73.5	10-160		14.8	79	
Tetrachloroethylene	60.4		"	50.0	1120	NR	30-167	Low Bias	45.0	33	Non-dir.
Toluene	41.6		"	50.0	0.00	83.2	21-160		4.56	50	
trans-1,2-Dichloroethylene	41.2		"	50.0	0.00	82.3	29-153		7.35	30	
trans-1,3-Dichloropropylene	44.6		"	50.0	0.00	89.2	18-155		5.53	30	
Trichloroethylene	66.0		"	50.0	7.18	118	24-169		89.8	30	Non-dir.
Trichlorofluoromethane	35.9		"	50.0	0.00	71.8	35-142		9.02	30	
Vinyl Chloride	37.4		"	50.0	0.00	74.8	12-160		7.54	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.4*		*"*	*50.0*		*105*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH21206 - EPA 3546 SVOA

Blank (BH21206-BLK1) Blank — Prepared & Analyzed: 08/19/2022

1,1-Biphenyl	ND	0.0831	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.166	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0831	"
2,3,4,6-Tetrachlorophenol	ND	0.166	"
2,4,5-Trichlorophenol	ND	0.0831	"
2,4,6-Trichlorophenol	ND	0.0831	"
2,4-Dichlorophenol	ND	0.0831	"
2,4-Dimethylphenol	ND	0.0831	"
2,4-Dinitrophenol	ND	0.166	"
2,4-Dinitrotoluene	ND	0.0831	"
2,6-Dinitrotoluene	ND	0.0831	"
2-Chloronaphthalene	ND	0.0831	"
2-Chlorophenol	ND	0.0831	"
2-Methylnaphthalene	ND	0.0831	"
2-Methylphenol	ND	0.0831	"
2-Nitroaniline	ND	0.166	"
2-Nitrophenol	ND	0.0831	"
3- & 4-Methylphenols	ND	0.0831	"
3,3-Dichlorobenzidine	ND	0.0831	"
3-Nitroaniline	ND	0.166	"
4,6-Dinitro-2-methylphenol	ND	0.166	"
4-Bromophenyl phenyl ether	ND	0.0831	"
4-Chloro-3-methylphenol	ND	0.0831	"
4-Chloroaniline	ND	0.0831	"
4-Chlorophenyl phenyl ether	ND	0.0831	"
4-Nitroaniline	ND	0.166	"
4-Nitrophenol	ND	0.166	"
Acenaphthene	ND	0.0831	"
Acenaphthylene	ND	0.0831	"
Acetophenone	ND	0.0831	"
Aniline	ND	0.333	"
Anthracene	ND	0.0831	"
Atrazine	ND	0.0831	"
Benzaldehyde	ND	0.0831	"
Benzidine	ND	0.333	"
Benzo(a)anthracene	ND	0.0831	"
Benzo(a)pyrene	ND	0.0831	"
Benzo(b)fluoranthene	ND	0.0831	"
Benzo(g,h,i)perylene	ND	0.0831	"
Benzo(k)fluoranthene	ND	0.0831	"
Benzoic acid	ND	0.0831	"
Benzyl alcohol	ND	0.0831	"
Benzyl butyl phthalate	ND	0.0831	"
Bis(2-chloroethoxy)methane	ND	0.0831	"
Bis(2-chloroethyl)ether	ND	0.0831	"
Bis(2-chloroisopropyl)ether	ND	0.0831	"
Bis(2-ethylhexyl)phthalate	ND	0.0831	"
Caprolactam	ND	0.166	"
Carbazole	ND	0.0831	"
Chrysene	ND	0.0831	"
Dibenzo(a,h)anthracene	ND	0.0831	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
Blank (BH21206-BLK1) Blank									Prepared & Analyzed: 08/19/2022		
Dibenzofuran	ND	0.0831	mg/kg wet								
Diethyl phthalate	ND	0.0831	"								
Dimethyl phthalate	ND	0.0831	"								
Di-n-butyl phthalate	ND	0.0831	"								
Di-n-octyl phthalate	ND	0.0831	"								
Diphenylamine	ND	0.166	"								
Fluoranthene	ND	0.0831	"								
Fluorene	ND	0.0831	"								
Hexachlorobenzene	ND	0.0831	"								
Hexachlorobutadiene	ND	0.0831	"								
Hexachlorocyclopentadiene	ND	0.0831	"								
Hexachloroethane	ND	0.0831	"								
Indeno(1,2,3-cd)pyrene	ND	0.0831	"								
Isophorone	ND	0.0831	"								
Naphthalene	ND	0.0831	"								
Nitrobenzene	ND	0.0831	"								
N-Nitrosodimethylamine	ND	0.0831	"								
N-nitroso-di-n-propylamine	ND	0.0831	"								
N-Nitrosodiphenylamine	ND	0.0831	"								
Pentachlorophenol	ND	0.0831	"								
Phenanthrene	ND	0.0831	"								
Phenol	ND	0.0831	"								
Pyrene	ND	0.0831	"								
Pyridine	ND	0.333	"								
Surrogate: SURR: 2-Fluorophenol	*2.09*		"	*1.66*		*126*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.91*		"	*1.66*		*115*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.896*		"	*0.831*		*108*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.04*		"	*0.831*		*125*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*3.24*		"	*1.66*		*195*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.24*		"	*0.831*		*149*	*24-116*				

Batch BH21206 - EPA 3546 SVOA

LCS (BH21206-BS1) LCS — Prepared: 08/19/2022 Analyzed: 08/22/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.396	0.0416	mg/kg wet	0.831		47.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.401	0.0830	"	0.831		48.3	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.410	0.0416	"	0.831		49.4	17-137				
2,3,4,6-Tetrachlorophenol	0.472	0.0830	"	0.831		56.8	30-130				
2,4,5-Trichlorophenol	0.380	0.0416	"	0.831		45.8	27-118				
2,4,6-Trichlorophenol	0.353	0.0416	"	0.831		42.6	31-120				
2,4-Dichlorophenol	0.385	0.0416	"	0.831		46.4	20-127				
2,4-Dimethylphenol	0.392	0.0416	"	0.831		47.2	14-132				
2,4-Dinitrophenol	0.192	0.0830	"	0.831		23.1	10-171				
2,4-Dinitrotoluene	0.380	0.0416	"	0.831		45.8	34-131				
2,6-Dinitrotoluene	0.407	0.0416	"	0.831		49.0	31-128				
2-Chloronaphthalene	0.368	0.0416	"	0.831		44.4	31-117				
2-Chlorophenol	0.381	0.0416	"	0.831		45.9	33-113				
2-Methylnaphthalene	0.363	0.0416	"	0.831		43.8	12-138				
2-Methylphenol	0.390	0.0416	"	0.831		47.0	10-136				
2-Nitroaniline	0.390	0.0830	"	0.831		47.0	27-132				
2-Nitrophenol	0.388	0.0416	"	0.831		46.7	17-129				
3- & 4-Methylphenols	0.342	0.0416	"	0.831		41.2	29-103				
3,3-Dichlorobenzidine	0.330	0.0416	"	0.831		39.7	22-149				
3-Nitroaniline	0.378	0.0830	"	0.831		45.6	20-133				
4,6-Dinitro-2-methylphenol	0.307	0.0830	"	0.831		36.9	10-143				
4-Bromophenyl phenyl ether	0.359	0.0416	"	0.831		43.2	29-120				
4-Chloro-3-methylphenol	0.380	0.0416	"	0.831		45.7	24-129				
4-Chloroaniline	0.340	0.0416	"	0.831		40.9	10-132				
4-Chlorophenyl phenyl ether	0.345	0.0416	"	0.831		41.6	27-124				
4-Nitroaniline	0.387	0.0830	"	0.831		46.6	16-128				
4-Nitrophenol	0.414	0.0830	"	0.831		49.8	10-141				
Acenaphthene	0.361	0.0416	"	0.831		43.4	30-121				
Acenaphthylene	0.340	0.0416	"	0.831		40.9	30-115				
Acetophenone	0.408	0.0416	"	0.831		49.2	20-112				
Aniline	0.364	0.166	"	0.831		43.8	10-119				
Anthracene	0.390	0.0416	"	0.831		47.0	34-118				
Atrazine	0.424	0.0416	"	0.831		51.0	26-112				
Benzaldehyde	0.410	0.0416	"	0.831		49.3	21-100				
Benzo(a)anthracene	0.372	0.0416	"	0.831		44.8	32-122				
Benzo(a)pyrene	0.335	0.0416	"	0.831		40.3	29-133				
Benzo(b)fluoranthene	0.357	0.0416	"	0.831		43.0	25-133				
Benzo(g,h,i)perylene	0.396	0.0416	"	0.831		47.7	10-143				
Benzo(k)fluoranthene	0.361	0.0416	"	0.831		43.4	25-128				
Benzoic acid	0.157	0.0416	"	0.831		18.9	10-140				
Benzyl alcohol	0.376	0.0416	"	0.831		45.3	30-115				
Benzyl butyl phthalate	0.401	0.0416	"	0.831		48.3	26-126				
Bis(2-chloroethoxy)methane	0.376	0.0416	"	0.831		45.3	19-132				
Bis(2-chloroethyl)ether	0.371	0.0416	"	0.831		44.6	19-125				
Bis(2-chloroisopropyl)ether	0.437	0.0416	"	0.831		52.6	20-135				
Bis(2-ethylhexyl)phthalate	0.312	0.0416	"	0.831		37.5	10-155				
Caprolactam	0.409	0.0830	"	0.831		49.2	10-127				
Carbazole	0.397	0.0416	"	0.831		47.8	35-123				
Chrysene	0.362	0.0416	"	0.831		43.6	32-123				
Dibenzo(a,h)anthracene	0.387	0.0416	"	0.831		46.6	10-136				
Dibenzofuran	0.354	0.0416	"	0.831		42.6	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
LCS (BH21206-BS1) LCS								Prepared: 08/19/2022 Analyzed: 08/22/2022			
Diethyl phthalate	0.343	0.0416	mg/kg wet	0.831		41.2	34-116				
Dimethyl phthalate	0.354	0.0416	"	0.831		42.6	35-124				
Di-n-butyl phthalate	0.377	0.0416	"	0.831		45.4	31-116				
Di-n-octyl phthalate	0.396	0.0416	"	0.831		47.7	26-136				
Diphenylamine	0.442	0.0830	"	0.831		53.2	40-140				
Fluoranthene	0.371	0.0416	"	0.831		44.6	33-122				
Fluorene	0.358	0.0416	"	0.831		43.1	29-123				
Hexachlorobenzene	0.395	0.0416	"	0.831		47.5	21-124				
Hexachlorobutadiene	0.345	0.0416	"	0.831		41.6	10-149				
Hexachlorocyclopentadiene	0.255	0.0416	"	0.831		30.7	10-129				
Hexachloroethane	0.363	0.0416	"	0.831		43.7	28-108				
Indeno(1,2,3-cd)pyrene	0.384	0.0416	"	0.831		46.3	10-135				
Isophorone	ND	0.0416	"	0.831			20-132	Low Bias			
Naphthalene	0.375	0.0416	"	0.831		45.1	23-124				
Nitrobenzene	0.396	0.0416	"	0.831		47.7	13-132				
N-Nitrosodimethylamine	0.355	0.0416	"	0.831		42.7	11-129				
N-nitroso-di-n-propylamine	0.393	0.0416	"	0.831		47.3	24-119				
N-Nitrosodiphenylamine	0.440	0.0416	"	0.831		52.9	22-152				
Pentachlorophenol	0.387	0.0416	"	0.831		46.6	10-139				
Phenanthrene	0.379	0.0416	"	0.831		45.7	33-123				
Phenol	0.404	0.0416	"	0.831		48.6	23-115				
Pyrene	0.378	0.0416	"	0.831		45.6	24-130				
Pyridine	0.313	0.166	"	0.831		37.7	10-91				
Surrogate: SURR: 2-Fluorophenol	*0.795*		"	*1.66*		*47.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.796*		"	*1.66*		*47.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.399*		"	*0.831*		*48.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.373*		"	*0.831*		*44.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.867*		"	*1.66*		*52.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.415*		"	*0.831*		*50.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
Matrix Spike (BH21206-MS1) Matrix Spike	*Source sample: 22H0864-01 (Matrix Spike)							Prepared & Analyzed: 08/19/2022			
1,1-Biphenyl	0.390	0.0836	mg/kg dry	0.836	ND	46.7	10-130				
1,2,4,5-Tetrachlorobenzene	0.415	0.167	"	0.836	ND	49.7	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.301	0.0836	"	0.836	ND	36.0	10-144				
2,3,4,6-Tetrachlorophenol	0.319	0.167	"	0.836	ND	38.2	30-130				
2,4,5-Trichlorophenol	0.461	0.0836	"	0.836	ND	55.1	10-127				
2,4,6-Trichlorophenol	0.412	0.0836	"	0.836	ND	49.3	10-132				
2,4-Dichlorophenol	0.356	0.0836	"	0.836	ND	42.6	10-128				
2,4-Dimethylphenol	0.402	0.0836	"	0.836	ND	48.1	10-137				
2,4-Dinitrophenol	ND	0.167	"	0.836	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.373	0.0836	"	0.836	ND	44.6	16-135				
2,6-Dinitrotoluene	0.428	0.0836	"	0.836	ND	51.2	18-131				
2-Chloronaphthalene	0.376	0.0836	"	0.836	ND	45.0	10-129				
2-Chlorophenol	0.377	0.0836	"	0.836	ND	45.1	15-116				
2-Methylnaphthalene	0.406	0.0836	"	0.836	ND	48.6	10-147				
2-Methylphenol	0.343	0.0836	"	0.836	ND	41.0	10-136				
2-Nitroaniline	0.424	0.167	"	0.836	ND	50.8	10-137				
2-Nitrophenol	0.441	0.0836	"	0.836	ND	52.8	10-129				
3- & 4-Methylphenols	0.287	0.0836	"	0.836	ND	34.3	10-123				
3,3-Dichlorobenzidine	0.305	0.0836	"	0.836	ND	36.5	10-155				
3-Nitroaniline	0.369	0.167	"	0.836	ND	44.2	12-133				
4,6-Dinitro-2-methylphenol	ND	0.167	"	0.836	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.389	0.0836	"	0.836	ND	46.6	14-128				
4-Chloro-3-methylphenol	0.431	0.0836	"	0.836	ND	51.6	10-134				
4-Chloroaniline	0.301	0.0836	"	0.836	ND	36.0	10-145				
4-Chlorophenyl phenyl ether	0.382	0.0836	"	0.836	ND	45.7	14-130				
4-Nitroaniline	0.314	0.167	"	0.836	ND	37.5	10-147				
4-Nitrophenol	0.270	0.167	"	0.836	ND	32.3	10-137				
Acenaphthene	0.414	0.0836	"	0.836	ND	49.5	10-146				
Acenaphthylene	0.367	0.0836	"	0.836	ND	43.9	10-134				
Acetophenone	0.345	0.0836	"	0.836	ND	41.3	10-116				
Aniline	0.298	0.335	"	0.836	ND	35.7	10-123				
Anthracene	0.428	0.0836	"	0.836	ND	51.3	10-142				
Atrazine	0.487	0.0836	"	0.836	ND	58.3	19-115				
Benzaldehyde	0.370	0.0836	"	0.836	ND	44.3	10-125				
Benzo(a)anthracene	0.380	0.0836	"	0.836	ND	45.5	10-158				
Benzo(a)pyrene	0.457	0.0836	"	0.836	ND	54.7	10-180				
Benzo(b)fluoranthene	0.383	0.0836	"	0.836	ND	45.8	10-200				
Benzo(g,h,i)perylene	0.485	0.0836	"	0.836	ND	58.0	10-138				
Benzo(k)fluoranthene	0.526	0.0836	"	0.836	ND	63.0	10-197				
Benzoic acid	ND	0.0836	"	0.836	ND		10-166	Low Bias			
Benzyl alcohol	0.317	0.0836	"	0.836	ND	37.9	12-124				
Benzyl butyl phthalate	0.340	0.0836	"	0.836	ND	40.7	10-154				
Bis(2-chloroethoxy)methane	0.363	0.0836	"	0.836	ND	43.4	10-132				
Bis(2-chloroethyl)ether	0.368	0.0836	"	0.836	ND	44.1	10-119				
Bis(2-chloroisopropyl)ether	0.390	0.0836	"	0.836	ND	46.7	10-139				
Bis(2-ethylhexyl)phthalate	0.368	0.0836	"	0.836	ND	44.0	10-167				
Caprolactam	0.191	0.167	"	0.836	ND	22.9	10-132				
Carbazole	0.420	0.0836	"	0.836	ND	50.2	10-167				
Chrysene	0.403	0.0836	"	0.836	ND	48.2	10-156				
Dibenzo(a,h)anthracene	0.503	0.0836	"	0.836	ND	60.2	10-137				
Dibenzofuran	0.387	0.0836	"	0.836	ND	46.3	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
Matrix Spike (BH21206-MS1) Matrix Spike	*Source sample: 22H0864-01 (Matrix Spike)							Prepared & Analyzed: 08/19/2022			
Diethyl phthalate	0.374	0.0836	mg/kg dry	0.836	ND	44.7	20-120				
Dimethyl phthalate	0.396	0.0836	"	0.836	ND	47.4	18-131				
Di-n-butyl phthalate	0.377	0.0836	"	0.836	ND	45.1	10-137				
Di-n-octyl phthalate	0.408	0.0836	"	0.836	ND	48.8	10-180				
Diphenylamine	0.457	0.167	"	0.836	ND	54.7	40-140				
Fluoranthene	0.404	0.0836	"	0.836	ND	48.4	10-160				
Fluorene	0.392	0.0836	"	0.836	ND	46.9	10-157				
Hexachlorobenzene	0.309	0.0836	"	0.836	ND	37.0	10-137				
Hexachlorobutadiene	0.451	0.0836	"	0.836	ND	53.9	10-132				
Hexachlorocyclopentadiene	ND	0.0836	"	0.836	ND		10-106	Low Bias			
Hexachloroethane	0.277	0.0836	"	0.836	ND	33.2	10-110				
Indeno(1,2,3-cd)pyrene	0.606	0.0836	"	0.836	ND	72.5	10-144				
Isophorone	0.410	0.0836	"	0.836	ND	49.1	10-132				
Naphthalene	0.410	0.0836	"	0.836	ND	49.1	10-141				
Nitrobenzene	0.320	0.0836	"	0.836	ND	38.2	10-131				
N-Nitrosodimethylamine	0.252	0.0836	"	0.836	ND	30.2	10-126				
N-nitroso-di-n-propylamine	0.318	0.0836	"	0.836	ND	38.1	10-125				
N-Nitrosodiphenylamine	0.433	0.0836	"	0.836	ND	51.8	10-177				
Pentachlorophenol	0.173	0.0836	"	0.836	ND	20.7	10-153				
Phenanthrene	0.380	0.0836	"	0.836	ND	45.4	10-148				
Phenol	0.360	0.0836	"	0.836	ND	43.1	10-126				
Pyrene	0.339	0.0836	"	0.836	ND	40.6	10-165				
Pyridine	0.243	0.335	"	0.836	ND	29.1	10-83				
Surrogate: SURR: 2-Fluorophenol	*0.745*		"	*1.67*		*44.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.695*		"	*1.67*		*41.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.336*		"	*0.836*		*40.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.408*		"	*0.836*		*48.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.09*		"	*1.67*		*65.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.374*		"	*0.836*		*44.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
Matrix Spike Dup (BH21206-! Matrix Spike Dup	*Source sample: 22H0864-01 (Matrix Spike Dup)								Prepared & Analyzed: 08/19/2022		
1,1-Biphenyl	0.425	0.0836	mg/kg dry	0.836	ND	50.9	10-130		8.52	30	
1,2,4,5-Tetrachlorobenzene	0.462	0.167	"	0.836	ND	55.3	10-133		10.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.327	0.0836	"	0.836	ND	39.1	10-144		8.31	30	
2,3,4,6-Tetrachlorophenol	0.329	0.167	"	0.836	ND	39.4	30-130		3.10	30	
2,4,5-Trichlorophenol	0.452	0.0836	"	0.836	ND	54.1	10-127		1.90	30	
2,4,6-Trichlorophenol	0.450	0.0836	"	0.836	ND	53.8	10-132		8.84	30	
2,4-Dichlorophenol	0.491	0.0836	"	0.836	ND	58.8	10-128		32.0	30	Non-dir.
2,4-Dimethylphenol	0.438	0.0836	"	0.836	ND	52.4	10-137		8.60	30	
2,4-Dinitrophenol	ND	0.167	"	0.836	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.414	0.0836	"	0.836	ND	49.5	16-135		10.4	30	
2,6-Dinitrotoluene	0.501	0.0836	"	0.836	ND	60.0	18-131		15.8	30	
2-Chloronaphthalene	0.406	0.0836	"	0.836	ND	48.6	10-129		7.69	30	
2-Chlorophenol	0.401	0.0836	"	0.836	ND	48.0	15-116		6.19	30	
2-Methylnaphthalene	0.434	0.0836	"	0.836	ND	51.9	10-147		6.69	30	
2-Methylphenol	0.378	0.0836	"	0.836	ND	45.2	10-136		9.65	30	
2-Nitroaniline	0.440	0.167	"	0.836	ND	52.6	10-137		3.56	30	
2-Nitrophenol	0.448	0.0836	"	0.836	ND	53.6	10-129		1.50	30	
3- & 4-Methylphenols	0.320	0.0836	"	0.836	ND	38.2	10-123		10.8	30	
3,3-Dichlorobenzidine	0.359	0.0836	"	0.836	ND	43.0	10-155		16.3	30	
3-Nitroaniline	0.394	0.167	"	0.836	ND	47.1	12-133		6.49	30	
4,6-Dinitro-2-methylphenol	ND	0.167	"	0.836	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.430	0.0836	"	0.836	ND	51.5	14-128		10.1	30	
4-Chloro-3-methylphenol	0.453	0.0836	"	0.836	ND	54.2	10-134		4.99	30	
4-Chloroaniline	0.365	0.0836	"	0.836	ND	43.7	10-145		19.3	30	
4-Chlorophenyl phenyl ether	0.423	0.0836	"	0.836	ND	50.6	14-130		10.3	30	
4-Nitroaniline	0.324	0.167	"	0.836	ND	38.8	10-147		3.35	30	
4-Nitrophenol	0.234	0.167	"	0.836	ND	28.0	10-137		14.3	30	
Acenaphthene	0.433	0.0836	"	0.836	ND	51.8	10-146		4.58	30	
Acenaphthylene	0.390	0.0836	"	0.836	ND	46.6	10-134		6.01	30	
Acetophenone	0.372	0.0836	"	0.836	ND	44.6	10-116		7.64	30	
Aniline	0.364	0.335	"	0.836	ND	43.6	10-123		20.0	30	
Anthracene	0.453	0.0836	"	0.836	ND	54.2	10-142		5.46	30	
Atrazine	0.515	0.0836	"	0.836	ND	61.6	19-115		5.47	30	
Benzaldehyde	0.392	0.0836	"	0.836	ND	47.0	10-125		5.78	30	
Benzo(a)anthracene	0.420	0.0836	"	0.836	ND	50.3	10-158		10.0	30	
Benzo(a)pyrene	0.513	0.0836	"	0.836	ND	61.4	10-180		11.6	30	
Benzo(b)fluoranthene	0.463	0.0836	"	0.836	ND	55.4	10-200		18.8	30	
Benzo(g,h,i)perylene	0.556	0.0836	"	0.836	ND	66.6	10-138		13.7	30	
Benzo(k)fluoranthene	0.542	0.0836	"	0.836	ND	64.9	10-197		3.00	30	
Benzoic acid	ND	0.0836	"	0.836	ND		10-166	Low Bias		30	
Benzyl alcohol	0.346	0.0836	"	0.836	ND	41.4	12-124		8.87	30	
Benzyl butyl phthalate	0.366	0.0836	"	0.836	ND	43.8	10-154		7.20	30	
Bis(2-chloroethoxy)methane	0.382	0.0836	"	0.836	ND	45.7	10-132		5.03	30	
Bis(2-chloroethyl)ether	0.404	0.0836	"	0.836	ND	48.4	10-119		9.34	30	
Bis(2-chloroisopropyl)ether	0.456	0.0836	"	0.836	ND	54.6	10-139		15.5	30	
Bis(2-ethylhexyl)phthalate	0.394	0.0836	"	0.836	ND	47.2	10-167		7.02	30	
Caprolactam	0.234	0.167	"	0.836	ND	28.0	10-132		20.1	30	
Carbazole	0.455	0.0836	"	0.836	ND	54.4	10-167		7.95	30	
Chrysene	0.445	0.0836	"	0.836	ND	53.3	10-156		9.93	30	
Dibenzo(a,h)anthracene	0.568	0.0836	"	0.836	ND	68.0	10-137		12.1	30	
Dibenzofuran	0.427	0.0836	"	0.836	ND	51.1	10-147		9.85	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21206 - EPA 3546 SVOA											
Matrix Spike Dup (BH21206-! Matrix Spike Dup	*Source sample: 22H0864-01 (Matrix Spike Dup)								Prepared & Analyzed: 08/19/2022		
Diethyl phthalate	0.404	0.0836	mg/kg dry	0.836	ND	48.4	20-120		7.90	30	
Dimethyl phthalate	0.445	0.0836	"	0.836	ND	53.2	18-131		11.4	30	
Di-n-butyl phthalate	0.420	0.0836	"	0.836	ND	50.3	10-137		10.9	30	
Di-n-octyl phthalate	0.435	0.0836	"	0.836	ND	52.0	10-180		6.35	30	
Diphenylamine	0.520	0.167	"	0.836	ND	62.2	40-140		12.9	30	
Fluoranthene	0.430	0.0836	"	0.836	ND	51.4	10-160		6.09	30	
Fluorene	0.422	0.0836	"	0.836	ND	50.6	10-157		7.55	30	
Hexachlorobenzene	0.353	0.0836	"	0.836	ND	42.2	10-137		13.3	30	
Hexachlorobutadiene	0.502	0.0836	"	0.836	ND	60.1	10-132		10.8	30	
Hexachlorocyclopentadiene	ND	0.0836	"	0.836	ND		10-106	Low Bias		30	
Hexachloroethane	0.316	0.0836	"	0.836	ND	37.8	10-110		13.1	30	
Indeno(1,2,3-cd)pyrene	0.503	0.0836	"	0.836	ND	60.2	10-144		18.4	30	
Isophorone	0.442	0.0836	"	0.836	ND	52.9	10-132		7.37	30	
Naphthalene	0.430	0.0836	"	0.836	ND	51.5	10-141		4.77	30	
Nitrobenzene	0.342	0.0836	"	0.836	ND	41.0	10-131		6.87	30	
N-Nitrosodimethylamine	0.284	0.0836	"	0.836	ND	34.0	10-126		12.0	30	
N-nitroso-di-n-propylamine	0.354	0.0836	"	0.836	ND	42.4	10-125		10.7	30	
N-Nitrosodiphenylamine	0.496	0.0836	"	0.836	ND	59.4	10-177		13.5	30	
Pentachlorophenol	0.170	0.0836	"	0.836	ND	20.4	10-153		1.56	30	
Phenanthrene	0.414	0.0836	"	0.836	ND	49.6	10-148		8.75	30	
Phenol	0.392	0.0836	"	0.836	ND	46.9	10-126		8.36	30	
Pyrene	0.379	0.0836	"	0.836	ND	45.4	10-165		11.2	30	
Pyridine	0.269	0.335	"	0.836	ND	32.2	10-83		9.92	30	
Surrogate: SURR: 2-Fluorophenol	*0.808*		"	*1.67*		*48.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.765*		"	*1.67*		*45.8*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.410*		"	*0.836*		*49.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.460*		"	*0.836*		*55.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.15*		"	*1.67*		*68.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.414*		"	*0.836*		*49.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21284 - EPA 3550C											
Blank (BH21284-BLK1) Blank								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	ND	20.0	ug/kg								
Surrogate: 1,4-Dioxane-d8	*370*		*"*	*500*		*74.0*	*39-127.5*				
LCS (BH21284-BS1) LCS								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	565	20.0	ug/kg	500		113	40-130				
Surrogate: 1,4-Dioxane-d8	*310*		*"*	*500*		*62.0*	*39-127.5*				
Matrix Spike (BH21284-MS1) Matrix Spike *Source sample: 22H0667-01 (Matrix Spike)								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	534	20.0	ug/kg	500	ND	107	40-130				
Surrogate: 1,4-Dioxane-d8	*290*		*"*	*500*		*58.0*	*40-130*				
Matrix Spike (BH21284-MS2) Matrix Spike *Source sample: 22H0739-01 (Matrix Spike)								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	615	20.0	ug/kg	500	ND	123	40-130				
Surrogate: 1,4-Dioxane-d8	*260*		*"*	*500*		*52.0*	*40-130*				
Matrix Spike Dup (BH21284-I Matrix Spike Dup *Source sample: 22H0667-01 (Matrix Spike Dup)								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	583	20.0	ug/kg	500	ND	117	40-130		8.77	30	
Surrogate: 1,4-Dioxane-d8	*240*		*"*	*500*		*48.0*	*40-130*				
Matrix Spike Dup (BH21284-I Matrix Spike Dup *Source sample: 22H0739-01 (Matrix Spike Dup)								Prepared & Analyzed: 08/22/2022			
1,4-Dioxane	565	20.0	ug/kg	500	ND	113	40-130		8.47	30	
Surrogate: 1,4-Dioxane-d8	*230*		*"*	*500*		*46.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20983 - SPE Ext-PFAS-EPA 537.1M											
Blank (BH20983-BLK1) Blank									Prepared: 08/16/2022 Analyzed: 08/17/2022		
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*65.9*		"	*74.3*		*88.7*	*25-150*				
Surrogate: M5PFHxA	*71.3*		"	*80.0*		*89.1*	*25-150*				
Surrogate: M4PFHpA	*79.2*		"	*80.0*		*99.0*	*25-150*				
Surrogate: M3PFHxS	*74.7*		"	*75.7*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4*		"	*80.0*		*86.7*	*25-150*				
Surrogate: M6PFDA	*69.5*		"	*80.0*		*86.9*	*25-150*				
Surrogate: M7PFUdA	*67.6*		"	*80.0*		*84.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*66.3*		"	*80.0*		*82.9*	*25-150*				
Surrogate: M2PFTeDA	*53.4*		"	*80.0*		*66.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.8*		"	*80.0*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.0*		"	*76.6*		*87.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.0*		"	*80.0*		*88.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*45.4*		"	*80.0*		*56.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*56.5*		"	*80.0*		*70.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.8*		"	*80.0*		*81.0*	*25-150*				
Surrogate: M2-6:2 FTS	*62.6*		"	*75.9*		*82.5*	*25-200*				
Surrogate: M2-8:2 FTS	*80.1*		"	*76.6*		*105*	*25-200*				
Surrogate: M9PFNA	*69.0*		"	*80.0*		*86.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20983 - SPE Ext-PFAS-EPA 537.1M											
LCS (BH20983-BS1) LCS								Prepared: 08/16/2022 Analyzed: 08/17/2022			
Perfluorobutanesulfonic acid (PFBS)	80.8	2.00	ng/L	70.8		114	50-130				
Perfluorohexanoic acid (PFHxA)	94.6	2.00	"	80.0		118	50-130				
Perfluoroheptanoic acid (PFHpA)	82.3	2.00	"	80.0		103	50-130				
Perfluorohexanesulfonic acid (PFHxS)	81.4	2.00	"	72.8		112	50-130				
Perfluorooctanoic acid (PFOA)	90.6	2.00	"	80.0		113	50-130				
Perfluorooctanesulfonic acid (PFOS)	92.1	2.00	"	74.0		125	50-130				
Perfluorononanoic acid (PFNA)	95.2	2.00	"	80.0		119	50-130				
Perfluorodecanoic acid (PFDA)	95.9	2.00	"	80.0		120	50-130				
Perfluoroundecanoic acid (PFUnA)	94.2	2.00	"	80.0		118	50-130				
Perfluorododecanoic acid (PFDoA)	96.0	2.00	"	80.0		120	50-130				
Perfluorotridecanoic acid (PFTrDA)	104	2.00	"	80.0		129	50-130				
Perfluorotetradecanoic acid (PFTA)	103	2.00	"	80.0		128	50-130				
N-MeFOSAA	83.0	2.00	"	80.0		104	50-130				
N-EtFOSAA	92.4	2.00	"	80.0		115	50-130				
Perfluoropentanoic acid (PFPeA)	91.8	2.00	"	80.0		115	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	99.6	2.00	"	80.0		124	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	103	2.00	"	76.4		135	50-130	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	98.8	2.00	"	77.2		128	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	114	5.00	"	76.0		150	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	110	2.00	"	76.8		144	50-175				
Perfluoro-n-butanoic acid (PFBA)	93.3	2.00	"	80.0		117	50-130				
Surrogate: M3PFBS	*66.7*		*"*	*74.3*		*89.7*	*25-150*				
Surrogate: M5PFHxA	*71.2*		*"*	*80.0*		*89.0*	*25-150*				
Surrogate: M4PFHpA	*79.8*		*"*	*80.0*		*99.7*	*25-150*				
Surrogate: M3PFHxS	*65.5*		*"*	*75.7*		*86.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4*		*"*	*80.0*		*86.8*	*25-150*				
Surrogate: M6PFDA	*66.0*		*"*	*80.0*		*82.6*	*25-150*				
Surrogate: M7PFUdA	*66.6*		*"*	*80.0*		*83.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.5*		*"*	*80.0*		*76.9*	*25-150*				
Surrogate: M2PFTeDA	*49.9*		*"*	*80.0*		*62.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*73.0*		*"*	*80.0*		*91.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*58.0*		*"*	*76.6*		*75.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.8*		*"*	*80.0*		*91.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.8*		*"*	*80.0*		*51.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.6*		*"*	*80.0*		*83.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*64.1*		*"*	*80.0*		*80.1*	*25-150*				
Surrogate: M2-6:2 FTS	*53.3*		*"*	*75.9*		*70.1*	*25-200*				
Surrogate: M2-8:2 FTS	*60.1*		*"*	*76.6*		*78.4*	*25-200*				
Surrogate: M9PFNA	*63.0*		*"*	*80.0*		*78.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20983 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BH20983-BSD1) LCS Dup								Prepared: 08/16/2022 Analyzed: 08/17/2022			
Perfluorobutanesulfonic acid (PFBS)	79.4	2.00	ng/L	70.8		112	50-130		1.68	30	
Perfluorohexanoic acid (PFHxA)	90.6	2.00	"	80.0		113	50-130		4.26	30	
Perfluoroheptanoic acid (PFHpA)	73.7	2.00	"	80.0		92.1	50-130		11.0	30	
Perfluorohexanesulfonic acid (PFHxS)	71.0	2.00	"	72.8		97.5	50-130		13.7	30	
Perfluorooctanoic acid (PFOA)	88.7	2.00	"	80.0		111	50-130		2.07	30	
Perfluorooctanesulfonic acid (PFOS)	64.1	2.00	"	74.0		86.6	50-130		35.9	30	Non-dir.
Perfluorononanoic acid (PFNA)	87.5	2.00	"	80.0		109	50-130		8.43	30	
Perfluorodecanoic acid (PFDA)	90.7	2.00	"	80.0		113	50-130		5.53	30	
Perfluoroundecanoic acid (PFUnA)	90.3	2.00	"	80.0		113	50-130		4.28	30	
Perfluorododecanoic acid (PFDoA)	89.8	2.00	"	80.0		112	50-130		6.72	30	
Perfluorotridecanoic acid (PFTrDA)	89.3	2.00	"	80.0		112	50-130		14.8	30	
Perfluorotetradecanoic acid (PFTA)	99.1	2.00	"	80.0		124	50-130		3.55	30	
N-MeFOSAA	91.6	2.00	"	80.0		115	50-130		9.91	30	
N-EtFOSAA	93.3	2.00	"	80.0		117	50-130		1.02	30	
Perfluoropentanoic acid (PFPeA)	86.6	2.00	"	80.0		108	50-130		5.84	30	
Perfluoro-1-octanesulfonamide (FOSA)	80.6	2.00	"	80.0		101	50-130		21.0	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.2	2.00	"	76.4		98.4	50-130		31.1	30	Non-dir.
Perfluoro-1-decanesulfonic acid (PFDS)	69.1	2.00	"	77.2		89.4	50-130		35.5	30	Non-dir.
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	73.0	5.00	"	76.0		96.1	50-175		43.6	30	Non-dir.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	92.5	2.00	"	76.8		120	50-175		17.7	30	
Perfluoro-n-butanoic acid (PFBA)	88.8	2.00	"	80.0		111	50-130		4.93	30	
Surrogate: M3PFBS	*70.7*		"	*74.3*		*95.2*	*25-150*				
Surrogate: M5PFHxA	*76.6*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*90.0*		"	*80.0*		*113*	*25-150*				
Surrogate: M3PFHxS	*72.1*		"	*75.7*		*95.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.8*		"	*80.0*		*92.2*	*25-150*				
Surrogate: M6PFDA	*72.1*		"	*80.0*		*90.1*	*25-150*				
Surrogate: M7PFUdA	*71.3*		"	*80.0*		*89.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.6*		"	*80.0*		*85.7*	*25-150*				
Surrogate: M2PFTeDA	*49.6*		"	*80.0*		*62.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.4*		"	*80.0*		*99.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.2*		"	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.3*		"	*80.0*		*97.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*50.8*		"	*80.0*		*63.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.0*		"	*80.0*		*77.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*63.4*		"	*80.0*		*79.2*	*25-150*				
Surrogate: M2-6:2 FTS	*76.8*		"	*75.9*		*101*	*25-200*				
Surrogate: M2-8:2 FTS	*66.4*		"	*76.6*		*86.6*	*25-200*				
Surrogate: M9PFNA	*70.9*		"	*80.0*		*88.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH20990 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BH20990-BLK1) Blank — Prepared: 08/16/2022 Analyzed: 08/17/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.245	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.245	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.245	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.245	"								
Perfluorooctanoic acid (PFOA)	ND	0.245	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.245	"								
Perfluorononanoic acid (PFNA)	ND	0.245	"								
Perfluorodecanoic acid (PFDA)	ND	0.245	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.245	"								
Perfluorododecanoic acid (PFDoA)	ND	0.245	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.245	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.245	"								
N-MeFOSAA	ND	0.245	"								
N-EtFOSAA	ND	0.245	"								
Perfluoropentanoic acid (PFPeA)	ND	0.245	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.245	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.245	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.245	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.245	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.245	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.245	"								
Surrogate: M3PFBS	*3.36*		"	*4.56*		*73.7*	*25-150*				
Surrogate: M5PFHxA	*3.75*		"	*4.90*		*76.6*	*25-150*				
Surrogate: M4PFHpA	*4.39*		"	*4.90*		*89.5*	*25-150*				
Surrogate: M3PFHxS	*3.53*		"	*4.64*		*76.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.87*		"	*4.90*		*79.0*	*25-150*				
Surrogate: M6PFDA	*2.79*		"	*4.90*		*56.9*	*25-150*				
Surrogate: M7PFUdA	*3.17*		"	*4.90*		*64.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.88*		"	*4.90*		*58.8*	*25-150*				
Surrogate: M2PFTeDA	*2.87*		"	*4.90*		*58.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.70*		"	*4.90*		*75.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.27*		"	*4.69*		*69.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.65*		"	*4.90*		*74.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.82*		"	*4.90*		*57.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.36*		"	*4.90*		*68.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.19*		"	*4.90*		*65.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.62*		"	*4.65*		*77.8*	*25-200*				
Surrogate: M2-8:2 FTS	*3.16*		"	*4.70*		*67.4*	*25-200*				
Surrogate: M9PFNA	*3.73*		"	*4.90*		*76.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20990 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BH20990-BS1) LCS								Prepared: 08/16/2022 Analyzed: 08/17/2022			
Perfluorobutanesulfonic acid (PFBS)	5.73	0.241	ug/kg wet	4.26		134	50-130	High Bias			
Perfluorohexanoic acid (PFHxA)	6.18	0.241	"	4.82		128	50-130				
Perfluoroheptanoic acid (PFHpA)	6.16	0.241	"	4.82		128	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.57	0.241	"	4.38		104	50-130				
Perfluorooctanoic acid (PFOA)	6.28	0.241	"	4.82		130	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.18	0.241	"	4.45		93.8	50-130				
Perfluorononanoic acid (PFNA)	6.27	0.241	"	4.82		130	50-130				
Perfluorodecanoic acid (PFDA)	8.17	0.241	"	4.82		170	50-130	High Bias			
Perfluoroundecanoic acid (PFUnA)	6.28	0.241	"	4.82		130	50-130				
Perfluorododecanoic acid (PFDoA)	6.36	0.241	"	4.82		132	50-130	High Bias			
Perfluorotridecanoic acid (PFTrDA)	6.57	0.241	"	4.82		136	50-130	High Bias			
Perfluorotetradecanoic acid (PFTA)	6.93	0.241	"	4.82		144	50-130	High Bias			
N-MeFOSAA	6.62	0.241	"	4.82		137	50-130	High Bias			
N-EtFOSAA	5.47	0.241	"	4.82		114	50-130				
Perfluoropentanoic acid (PFPeA)	6.22	0.241	"	4.82		129	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	6.17	0.241	"	4.82		128	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.10	0.241	"	4.60		133	50-130	High Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	4.68	0.241	"	4.65		101	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.47	0.241	"	4.57		141	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.04	0.241	"	4.62		109	50-200				
Perfluoro-n-butanoic acid (PFBA)	6.42	0.241	"	4.82		133	50-130	High Bias			
Surrogate: M3PFBS	*3.08*		*"*	*4.47*		*68.9*	*25-150*				
Surrogate: M5PFHxA	*3.51*		*"*	*4.82*		*72.8*	*25-150*				
Surrogate: M4PFHpA	*3.74*		*"*	*4.82*		*77.8*	*25-150*				
Surrogate: M3PFHxS	*3.73*		*"*	*4.56*		*82.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.50*		*"*	*4.82*		*72.8*	*25-150*				
Surrogate: M6PFDA	*2.69*		*"*	*4.82*		*55.9*	*25-150*				
Surrogate: M7PFUdA	*2.85*		*"*	*4.82*		*59.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.72*		*"*	*4.82*		*56.6*	*25-150*				
Surrogate: M2PFTeDA	*2.63*		*"*	*4.82*		*54.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.54*		*"*	*4.82*		*73.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.51*		*"*	*4.61*		*76.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.50*		*"*	*4.82*		*72.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.70*		*"*	*4.82*		*56.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.09*		*"*	*4.82*		*64.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.07*		*"*	*4.82*		*63.7*	*25-150*				
Surrogate: M2-6:2 FTS	*2.51*		*"*	*4.57*		*54.9*	*25-200*				
Surrogate: M2-8:2 FTS	*4.03*		*"*	*4.61*		*87.4*	*25-200*				
Surrogate: M9PFNA	*3.20*		*"*	*4.82*		*66.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20990 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BH20990-MS1) Matrix Spike	*Source sample: 22H0741-30 (Matrix Spike)									Prepared: 08/16/2022 Analyzed: 08/18/2022	
Perfluorobutanesulfonic acid (PFBS)	6.53	0.281	ug/kg dry	4.98	ND	131	25-150				
Perfluorohexanoic acid (PFHxA)	6.67	0.281	"	5.63	ND	118	25-150				
Perfluoroheptanoic acid (PFHpA)	5.50	0.281	"	5.63	ND	97.7	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.96	0.281	"	5.12	ND	136	25-150				
Perfluorooctanoic acid (PFOA)	7.18	0.281	"	5.63	ND	128	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.89	0.281	"	5.21	ND	113	25-150				
Perfluorononanoic acid (PFNA)	6.80	0.281	"	5.63	ND	121	25-150				
Perfluorodecanoic acid (PFDA)	6.80	0.281	"	5.63	ND	121	25-150				
Perfluoroundecanoic acid (PFUnA)	6.64	0.281	"	5.63	ND	118	25-150				
Perfluorododecanoic acid (PFDoA)	6.98	0.281	"	5.63	ND	124	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.57	0.281	"	5.63	ND	99.0	25-150				
Perfluorotetradecanoic acid (PFTA)	7.18	0.281	"	5.63	ND	128	25-150				
N-MeFOSAA	6.44	0.281	"	5.63	ND	114	25-150				
N-EtFOSAA	7.70	0.281	"	5.63	ND	137	25-150				
Perfluoropentanoic acid (PFPeA)	6.86	0.281	"	5.63	ND	122	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.85	0.281	"	5.63	ND	104	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	7.07	0.281	"	5.37	ND	132	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.76	0.281	"	5.43	ND	87.6	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.71	0.281	"	5.35	ND	107	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.16	0.281	"	5.40	ND	132	25-200				
Perfluoro-n-butanoic acid (PFBA)	6.81	0.281	"	5.63	ND	121	25-150				
Surrogate: M3PFBS	*3.40*		"	*5.23*		*65.0*	*25-150*				
Surrogate: M5PFHxA	*4.05*		"	*5.63*		*71.9*	*25-150*				
Surrogate: M4PFHpA	*4.73*		"	*5.63*		*84.0*	*25-150*				
Surrogate: M3PFHxS	*3.18*		"	*5.32*		*59.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.85*		"	*5.63*		*68.4*	*25-150*				
Surrogate: M6PFDA	*3.36*		"	*5.63*		*59.8*	*25-150*				
Surrogate: M7PFUdA	*3.21*		"	*5.63*		*57.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.01*		"	*5.63*		*53.4*	*25-150*				
Surrogate: M2PFTeDA	*2.47*		"	*5.63*		*44.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.88*		"	*5.63*		*69.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.44*		"	*5.39*		*63.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.93*		"	*5.63*		*69.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.03*		"	*5.63*		*53.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.46*		"	*5.63*		*61.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.68*		"	*5.63*		*47.7*	*25-150*				
Surrogate: M2-6:2 FTS	*3.35*		"	*5.34*		*62.8*	*25-200*				
Surrogate: M2-8:2 FTS	*3.67*		"	*5.39*		*68.2*	*25-200*				
Surrogate: M9PFNA	*3.41*		"	*5.63*		*60.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20990 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BH20990-! Matrix Spike Dup	*Source sample: 22H0741-30 (Matrix Spike Dup)								Prepared: 08/16/2022 Analyzed: 08/18/2022		
Perfluorobutanesulfonic acid (PFBS)	6.23	0.293	ug/kg dry	5.18	ND	120	25-150		4.74	35	
Perfluorohexanoic acid (PFHxA)	6.97	0.293	"	5.85	ND	119	25-150		4.52	35	
Perfluoroheptanoic acid (PFHpA)	6.02	0.293	"	5.85	ND	103	25-150		8.95	35	
Perfluorohexanesulfonic acid (PFHxS)	5.64	0.293	"	5.32	ND	106	25-150		21.0	35	
Perfluorooctanoic acid (PFOA)	6.83	0.293	"	5.85	ND	117	25-150		4.99	35	
Perfluorooctanesulfonic acid (PFOS)	6.80	0.293	"	5.41	ND	126	25-150		14.3	35	
Perfluorononanoic acid (PFNA)	6.20	0.293	"	5.85	ND	106	25-150		9.20	35	
Perfluorodecanoic acid (PFDA)	6.20	0.293	"	5.85	ND	106	25-150		9.22	35	
Perfluoroundecanoic acid (PFUnA)	7.54	0.293	"	5.85	ND	129	25-150		12.7	35	
Perfluorododecanoic acid (PFDoA)	6.85	0.293	"	5.85	ND	117	25-150		1.76	35	
Perfluorotridecanoic acid (PFTrDA)	8.08	0.293	"	5.85	ND	138	25-150		36.7	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	8.22	0.293	"	5.85	ND	141	25-150		13.5	35	
N-MeFOSAA	5.86	0.293	"	5.85	ND	100	25-150		9.47	35	
N-EtFOSAA	7.47	0.293	"	5.85	ND	128	25-150		2.95	35	
Perfluoropentanoic acid (PFPeA)	7.01	0.293	"	5.85	ND	120	25-150		2.15	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.99	0.293	"	5.85	ND	85.3	25-150		15.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.39	0.293	"	5.59	ND	150	25-150		17.0	35	
Perfluoro-1-decanesulfonic acid (PFDS)	6.61	0.293	"	5.65	ND	117	25-150		32.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.14	0.293	"	5.56	ND	111	25-200		7.33	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	6.33	0.293	"	5.62	ND	113	25-200		12.2	35	
Perfluoro-n-butanoic acid (PFBA)	7.01	0.293	"	5.85	ND	120	25-150		2.93	35	
Surrogate: M3PFBS	*4.13*		*"*	*5.44*		*76.0*	*25-150*				
Surrogate: M5PFHxA	*4.52*		*"*	*5.85*		*77.2*	*25-150*				
Surrogate: M4PFHpA	*5.24*		*"*	*5.85*		*89.6*	*25-150*				
Surrogate: M3PFHxS	*4.78*		*"*	*5.53*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.90*		*"*	*5.85*		*83.7*	*25-150*				
Surrogate: M6PFDA	*4.37*		*"*	*5.85*		*74.6*	*25-150*				
Surrogate: M7PFUdA	*3.51*		*"*	*5.85*		*60.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.61*		*"*	*5.85*		*61.7*	*25-150*				
Surrogate: M2PFTeDA	*2.76*		*"*	*5.85*		*47.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.46*		*"*	*5.85*		*76.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.37*		*"*	*5.60*		*60.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.44*		*"*	*5.85*		*75.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.16*		*"*	*5.85*		*71.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.21*		*"*	*5.85*		*71.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.11*		*"*	*5.85*		*53.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.45*		*"*	*5.55*		*80.1*	*25-200*				
Surrogate: M2-8:2 FTS	*4.37*		*"*	*5.60*		*77.9*	*25-200*				
Surrogate: M9PFNA	*4.28*		*"*	*5.85*		*73.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21233 - EPA 3550C											
Blank (BH21233-BLK1) Blank									Prepared: 08/19/2022 Analyzed: 08/22/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0593*		*"*	*0.0664*		*89.2*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0574*		*"*	*0.0664*		*86.4*	*30-150*				
LCS (BH21233-BS1) LCS									Prepared: 08/19/2022 Analyzed: 08/22/2022		
4,4'-DDD	0.0278	0.00164	mg/kg wet	0.0332		83.5	40-140				
4,4'-DDE	0.0244	0.00164	"	0.0332		73.6	40-140				
4,4'-DDT	0.0200	0.00164	"	0.0332		60.3	40-140				
Aldrin	0.0263	0.00164	"	0.0332		79.2	40-140				
alpha-BHC	0.0272	0.00164	"	0.0332		81.8	40-140				
alpha-Chlordane	0.0308	0.00164	"	0.0332		92.8	40-140				
beta-BHC	0.0290	0.00164	"	0.0332		87.3	40-140				
delta-BHC	0.0260	0.00164	"	0.0332		78.3	40-140				
Dieldrin	0.0308	0.00164	"	0.0332		92.6	40-140				
Endosulfan I	0.0338	0.00164	"	0.0332		102	40-140				
Endosulfan II	0.0294	0.00164	"	0.0332		88.5	40-140				
Endosulfan sulfate	0.0262	0.00164	"	0.0332		79.0	40-140				
Endrin	0.0246	0.00164	"	0.0332		73.9	40-140				
Endrin aldehyde	0.0272	0.00164	"	0.0332		81.9	40-140				
Endrin ketone	0.0285	0.00164	"	0.0332		85.7	40-140				
gamma-BHC (Lindane)	0.0272	0.00164	"	0.0332		81.8	40-140				
gamma-Chlordane	0.0295	0.00164	"	0.0332		88.8	40-140				
Heptachlor	0.0273	0.00164	"	0.0332		82.1	40-140				
Heptachlor epoxide	0.0308	0.00164	"	0.0332		92.7	40-140				
Methoxychlor	0.0187	0.00164	"	0.0332		56.3	40-140				
Surrogate: Decachlorobiphenyl	*0.0557*		*"*	*0.0664*		*83.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0554*		*"*	*0.0664*		*83.4*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2G2747 - BG21247											
Performance Mix (Y2G2747-F Performance Mix										Prepared & Analyzed: 07/27/2022	
4,4'-DDD	11.6		ng/mL	0.00			0-200				
4,4'-DDE	1.44		"	0.00			0-200				
4,4'-DDT	208		"	200		104	0-200				
Endrin	114		"	100		114	0-200				
Endrin aldehyde	1.91		"	0.00			0-200				
Endrin ketone	6.22		"	0.00			0-200				
Batch Y2H2236 - BH21275											
Performance Mix (Y2H2236-F Performance Mix										Prepared & Analyzed: 08/22/2022	
4,4'-DDD	11.9		ng/mL	0.00			0-200				
4,4'-DDE	1.54		"	0.00			0-200				
4,4'-DDT	242		"	200		121	0-200				
Endrin	119		"	100		119	0-200				
Endrin aldehyde	1.37		"	0.00			0-200				
Endrin ketone	5.43		"	0.00			0-200				
Performance Mix (Y2H2236-F Performance Mix										Prepared & Analyzed: 08/22/2022	
4,4'-DDD	15.2		ng/mL	0.00			0-200				
4,4'-DDE	1.08		"	0.00			0-200				
4,4'-DDT	219		"	200		109	0-200				
Endrin	109		"	100		109	0-200				
Endrin aldehyde	2.70		"	0.00			0-200				
Endrin ketone	9.60		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21233 - EPA 3550C											
Blank (BH21233-BLK2) Blank									Prepared: 08/19/2022 Analyzed: 08/22/2022		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0668*		*"*	*0.0664*		*100*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0754*		*"*	*0.0664*		*114*	*30-150*				
LCS (BH21233-BS2) LCS									Prepared: 08/19/2022 Analyzed: 08/22/2022		
Aroclor 1016	0.278	0.0166	mg/kg wet	0.332		83.8	40-140			30	
Aroclor 1260	0.310	0.0166	"	0.332		93.2	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0439*		*"*	*0.0664*		*66.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0502*		*"*	*0.0664*		*75.5*	*30-150*				
Batch Y2H2235 - BH21275											
Aroclor Reference (Y2H2235-. Aroclor Reference									Prepared & Analyzed: 08/22/2022		
Surrogate: Tetrachloro-m-xylene	*0.213*		*ug/mL*	*0.200*		*106*					
Surrogate: Decachlorobiphenyl	*0.253*		*"*	*0.200*		*126*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21172 - EPA 3550C/8151A											
Blank (BH21172-BLK1) Blank									Prepared: 08/18/2022 Analyzed: 08/19/2022		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.208*		*"*	*0.415*		*50.2*	*21-150*				
LCS (BH21172-BS1) LCS									Prepared: 08/18/2022 Analyzed: 08/19/2022		
2,4,5-T	0.0698	0.0199	mg/kg wet	0.133		52.5	10-120				
2,4,5-TP (Silvex)	0.0905	0.0199	"	0.133		68.1	10-120				
2,4-D	0.0872	0.0199	"	0.133		65.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.359*		*"*	*0.415*		*86.4*	*21-150*				
Matrix Spike (BH21172-MS1) Matrix Spike *Source sample: 22H0741-13 (Matrix Spike)									Prepared: 08/18/2022 Analyzed: 08/19/2022		
2,4,5-T	0.0619	0.0212	mg/kg dry	0.142	ND	43.8	10-120				
2,4,5-TP (Silvex)	0.0743	0.0212	"	0.142	ND	52.5	10-120				
2,4-D	0.0743	0.0212	"	0.142	ND	52.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.366*		*"*	*0.442*		*82.8*	*21-150*				
Matrix Spike Dup (BH21172-M Matrix Spike Dup *Source sample: 22H0741-13 (Matrix Spike Dup)									Prepared: 08/18/2022 Analyzed: 08/19/2022		
2,4,5-T	0.0770	0.0212	mg/kg dry	0.142	ND	54.4	10-120		21.7	35	
2,4,5-TP (Silvex)	0.0779	0.0212	"	0.142	ND	55.0	10-120		4.65	35	
2,4-D	0.0929	0.0212	"	0.142	ND	65.6	10-118		22.2	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.345*		*"*	*0.442*		*78.0*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20963 - EPA 3050B											
Blank (BH20963-BLK1) Blank									Prepared: 08/16/2022 Analyzed: 08/18/2022		
Aluminum	ND	6.00	mg/kg wet								
Antimony	ND	3.00	"								
Arsenic	ND	1.80	"								
Barium	ND	3.00	"								
Beryllium	ND	0.060	"								
Cadmium	ND	0.360	"								
Calcium	8.65	6.00	"								
Chromium	ND	0.600	"								
Cobalt	ND	0.480	"								
Copper	ND	2.40	"								
Iron	ND	30.0	"								
Lead	ND	0.600	"								
Magnesium	ND	6.00	"								
Manganese	ND	0.600	"								
Nickel	ND	1.20	"								
Potassium	7.32	6.00	"								
Selenium	ND	3.00	"								
Silver	ND	0.600	"								
Sodium	ND	60.0	"								
Thallium	ND	3.00	"								
Vanadium	ND	1.20	"								
Zinc	ND	3.00	"								
Duplicate (BH20963-DUP1) Duplicate *Source sample: 22H0739-01 (Duplicate)									Prepared: 08/16/2022 Analyzed: 08/18/2022		
Aluminum	9330	6.85	mg/kg dry		7440				22.6	35	
Antimony	ND	3.43	"		ND					35	
Arsenic	7.40	2.06	"		5.93				22.1	35	
Barium	158	3.43	"		114				32.1	35	
Beryllium	ND	0.069	"		ND					35	
Cadmium	1.00	0.411	"		0.838				17.9	35	
Calcium	30200	6.85	"		23800				23.8	35	
Chromium	28.4	0.685	"		24.2				15.7	35	
Cobalt	8.71	0.548	"		7.09				20.5	35	
Copper	88.8	2.74	"		68.5				25.8	35	
Iron	18800	34.3	"		16800				11.3	35	
Lead	292	0.685	"		151				63.5	35	Non-dir.
Magnesium	6140	6.85	"		3450				56.2	35	Non-dir.
Manganese	304	0.685	"		255				17.5	35	
Nickel	35.2	1.37	"		32.4				8.39	35	
Potassium	1200	6.85	"		835				35.6	35	Non-dir.
Selenium	ND	3.43	"		ND					35	
Silver	ND	0.685	"		ND					35	
Sodium	292	68.5	"		190				42.1	35	Non-dir.
Thallium	ND	3.43	"		ND					35	
Vanadium	34.0	1.37	"		24.5				32.4	35	
Zinc	255	3.43	"		199				24.7	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20963 - EPA 3050B											
Matrix Spike (BH20963-MS1) Matrix Spike	*Source sample: 22H0739-01 (Matrix Spike)								Prepared: 08/16/2022 Analyzed: 08/18/2022		
Aluminum	9410	6.85	mg/kg dry	228	7440	863	75-125	High Bias			
Antimony	8.56	3.43	"	28.5	ND	30.0	75-125	Low Bias			
Arsenic	226	2.06	"	228	5.93	96.4	75-125				
Barium	368	3.43	"	228	114	111	75-125				
Beryllium	5.05	0.069	"	5.71	ND	88.4	75-125				
Cadmium	6.47	0.411	"	5.71	0.838	98.6	75-125				
Calcium	30400	6.85	"	114	23800	NR	75-125	High Bias			
Chromium	47.7	0.685	"	22.8	24.2	103	75-125				
Cobalt	67.2	0.548	"	57.1	7.09	105	75-125				
Copper	122	2.74	"	28.5	68.5	188	75-125	High Bias			
Iron	22600	34.3	"	114	16800	NR	75-125	High Bias			
Lead	273	0.685	"	57.1	151	213	75-125	High Bias			
Magnesium	4870	6.85	"	114	3450	NR	75-125	High Bias			
Manganese	397	0.685	"	57.1	255	248	75-125	High Bias			
Nickel	102	1.37	"	57.1	32.4	122	75-125				
Potassium	1290	6.85	"	114	835	401	75-125	High Bias			
Selenium	171	3.43	"	228	ND	74.9	75-125	Low Bias			
Silver	5.03	0.685	"	5.71	ND	88.1	75-125				
Sodium	653	68.5	"	114	190	405	75-125	High Bias			
Thallium	192	3.43	"	228	ND	84.2	75-125				
Vanadium	86.0	1.37	"	57.1	24.5	108	75-125				
Zinc	322	3.43	"	57.1	199	215	75-125	High Bias			
Post Spike (BH20963-PS1) Post Spike	*Source sample: 22H0739-01 (Post Spike)								Prepared: 08/16/2022 Analyzed: 08/18/2022		
Aluminum	77.4		ug/mL	2.00	65.1	612	75-125	High Bias			
Antimony	0.269		"	0.250	0.014	102	75-125				
Arsenic	2.01		"	2.00	0.052	98.1	75-125				
Barium	3.27		"	2.00	1.00	113	75-125				
Beryllium	0.045		"	0.0500	-0.004	90.8	75-125				
Cadmium	0.055		"	0.0500	0.007	95.6	75-125				
Calcium	252		"	1.00	209	NR	75-125	High Bias			
Chromium	0.452		"	0.200	0.212	120	75-125				
Cobalt	0.596		"	0.500	0.062	107	75-125				
Copper	1.00		"	0.250	0.600	161	75-125	High Bias			
Iron	172		"	1.00	147	NR	75-125	High Bias			
Lead	2.18		"	0.500	1.32	172	75-125	High Bias			
Magnesium	37.7		"	1.00	30.2	746	75-125	High Bias			
Manganese	3.11		"	0.500	2.24	175	75-125	High Bias			
Nickel	0.895		"	0.500	0.284	122	75-125				
Potassium	13.2		"	1.00	7.31	590	75-125	High Bias			
Selenium	1.58		"	2.00	-0.098	78.9	75-125				
Silver	0.034		"	0.0500	-0.005	68.4	75-125	Low Bias			
Sodium	4.21		"	1.00	1.67	255	75-125	High Bias			
Thallium	1.76		"	2.00	-0.032	87.9	75-125				
Vanadium	0.764		"	0.500	0.214	110	75-125				
Zinc	2.53		"	0.500	1.74	158	75-125	High Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH20963 - EPA 3050B											
Reference (BH20963-SRM1) Reference											
Prepared: 08/16/2022 Analyzed: 08/18/2022											
Aluminum	9700	6.00	mg/kg wet	10100		96.1	39.5-118.8				
Antimony	79.7	3.00	"	244		32.7	10-123				
Arsenic	106	1.80	"	109		97.1	63.7-118.3				
Barium	385	3.00	"	364		106	70.3-117				
Beryllium	55.3	0.060	"	57.0		97.0	69.3-115.4				
Cadmium	46.8	0.360	"	48.7		96.1	67.8-112.9				
Calcium	5090	6.00	"	5190		98.1	66.3-116.6				
Chromium	172	0.600	"	173		99.3	65.3-120.8				
Cobalt	155	0.480	"	148		105	70.3-117.6				
Copper	198	2.40	"	179		111	70.9-117.9				
Iron	15200	30.0	"	15000		101	36.8-162.7				
Lead	109	0.600	"	101		108	69.1-126.7				
Magnesium	2680	6.00	"	2570		104	56.4-124.9				
Manganese	429	0.600	"	370		116	72.2-119.2				
Nickel	64.3	1.20	"	52.2		123	63.4-117.8	High Bias			
Potassium	1970	6.00	"	2420		81.4	49.6-118.6				
Selenium	72.9	3.00	"	104		70.1	58.5-122.1				
Silver	28.8	0.600	"	29.9		96.4	63.5-123.7				
Sodium	381	60.0	"	161		237	30.1-139.1	High Bias			
Thallium	88.7	3.00	"	101		87.8	59.8-120.8				
Vanadium	194	1.20	"	194		100	73.2-117				
Zinc	421	3.00	"	431		97.6	74.9-121.1				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21130 - EPA 7473 soil												
Blank (BH21130-BLK1)	Blank								Prepared & Analyzed: 08/18/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BH21130-DUP1)	Duplicate	*Source sample: 22H0741-08 (Duplicate)							Prepared & Analyzed: 08/18/2022			
Mercury		ND	0.0322	mg/kg dry		ND					35	
Matrix Spike (BH21130-MS1)	Matrix Spike	*Source sample: 22H0741-08 (Matrix Spike)							Prepared & Analyzed: 08/18/2022			
Mercury		0.447		mg/kg	0.500	0.000900	89.3	75-125				
Reference (BH21130-SRM1)	Reference								Prepared & Analyzed: 08/18/2022			
Mercury		26.851		mg/kg	27.2		98.7	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21037 - EPA SW846-3060												
Blank (BH21037-BLK1)	Blank								Prepared & Analyzed: 08/17/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BH21037-DUP1)	Duplicate	*Source sample: 22H0406-25 (Duplicate)							Prepared & Analyzed: 08/17/2022			
Chromium, Hexavalent		ND	0.548	mg/kg dry		ND					35	
Matrix Spike (BH21037-MS1)	Matrix Spike	*Source sample: 22H0406-25 (Matrix Spike)							Prepared & Analyzed: 08/17/2022			
Chromium, Hexavalent		14.9	0.548	mg/kg dry	21.9	ND	67.8	75-125	Low Bias			
Reference (BH21037-SRM1)	Reference								Prepared & Analyzed: 08/17/2022			
Chromium, Hexavalent		83.5		mg/L	131		63.8	33.8-169.5				
Batch BH21360 - Analysis Preparation Soil												
Blank (BH21360-BLK1)	Blank								Prepared & Analyzed: 08/23/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BH21360-DUP1)	Duplicate	*Source sample: 22H0741-13 (Duplicate)							Prepared & Analyzed: 08/23/2022			
Cyanide, total		ND	0.533	mg/kg dry		ND					15	
Matrix Spike (BH21360-MS1)	Matrix Spike	*Source sample: 22H0741-13 (Matrix Spike)							Prepared & Analyzed: 08/23/2022			
Cyanide, total		9.69	0.533	mg/kg dry	10.7	ND	91.0	79.6-107				
Reference (BH21360-SRM1)	Reference								Prepared & Analyzed: 08/23/2022			
Cyanide, total		78.7		ug/mL	86.8		90.7	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21104 - % Solids Prep											
Duplicate (BH21104-DUP1) Duplicate	*Source sample: 22H0893-02 (EP74_-5.5)							Prepared & Analyzed: 08/17/2022			
% Solids	87.5	0.100	%		87.1				0.406	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22H0893-01	EP68_-5.5	40mL Vial with Stir Bar-Cool 4° C
22H0893-02	EP74_-5.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PF-CCV-H	The CCV recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
PF-QMR	The RPD for the Matrix Spike was outside of control limits due to a non-homogeneous matrix
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2240893

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan Engineering -	Company:	Company:	170610601	RUSH - Next Day
Address: 360 W 31st St New York, NY 10001	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212 479 5400	Phone:	Phone:		RUSH - Three Day X
Contact: Kim Serna	Contact:	Contact:		RUSH - Four Day
E-mail: kserna@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP68_-5.5	S	8/15/22 1435	TCL/Part 375, VOCs, SVOCs, PCBs, herbicides, pesticides, metals (incl cyanide) tri-chromium, PFAS, 1-4-dioxane, hex chrome	
EP74_-5.5	S	8/15/22 1430		
FB01_PFAS_08152022	AQ	8/15/22 1433	PFAS	

Comments: Include lesmail@langan.com and maronica@langan.com for all correspondance

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	8/15/22 1305	Mad N York Fuels	8/15/22 1308	Mad N York Fuels	8/15/22 1740
2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Juan B	8.15.22 1740	Juan B	8.15.22 2010		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	8/15/22 2010 / 2.4 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 08/23/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H1159

Report Date: 08/23/2022
Client Project ID: 170610601
York Project (SDG) No.: 22H1159

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 19, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

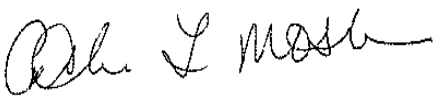
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22H1159-01	EP73_6.5	Soil	08/18/2022	08/19/2022

General Notes for York Project (SDG) No.: 22H1159

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 08/23/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP73_6.5 **York Sample ID:** 22H1159-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H1159	170610601	Soil	August 18, 2022 12:02 pm	08/19/2022

Barium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**28.9**		mg/kg dry	2.35	1	EPA 6010D	08/22/2022 09:24	08/23/2022 12:42	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**27.8**		mg/kg dry	0.469	1	EPA 6010D	08/22/2022 09:24	08/23/2022 12:42	AJL
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.8**		%	0.100	1	SM 2540G	08/22/2022 15:14	08/22/2022 17:06	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BH21293 **Preparation Method:** EPA 3050B **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22H1159-01	EP73_6.5	08/22/22
BH21293-BLK1	Blank	08/22/22
BH21293-DUP1	Duplicate	08/22/22
BH21293-MS1	Matrix Spike	08/22/22
BH21293-PS1	Post Spike	08/22/22
BH21293-SRM1	Reference	08/22/22

Batch ID: BH21323 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22H1159-01	EP73_6.5	08/22/22
BH21323-DUP1	Duplicate	08/22/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21293 - EPA 3050B											
Blank (BH21293-BLK1) Blank								Prepared: 08/22/2022 Analyzed: 08/23/2022			
Barium	ND	2.50	mg/kg wet								
Lead	ND	0.500	"								
Duplicate (BH21293-DUP1) Duplicate	*Source sample: 22H1168-08 (Duplicate)							Prepared: 08/22/2022 Analyzed: 08/23/2022			
Barium	99.9	2.44	mg/kg dry		106				6.43	35	
Lead	118	0.488	"		138				15.7	35	
Matrix Spike (BH21293-MS1) Matrix Spike	*Source sample: 22H1168-08 (Matrix Spike)							Prepared: 08/22/2022 Analyzed: 08/23/2022			
Barium	301	2.32	mg/kg dry	185	106	105	75-125				
Lead	171	0.464	"	46.4	138	71.4	75-125	Low Bias			
Post Spike (BH21293-PS1) Post Spike	*Source sample: 22H1168-08 (Post Spike)							Prepared: 08/22/2022 Analyzed: 08/23/2022			
Barium	3.18		ug/mL	2.00	0.973	110	75-125				
Lead	1.94		"	0.500	1.26	137	75-125	High Bias			
Reference (BH21293-SRM1) Reference								Prepared: 08/22/2022 Analyzed: 08/23/2022			
Barium	379	2.50	mg/kg wet	364		104	70.3-117				
Lead	106	0.500	"	101		105	69.1-126.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21323 - % Solids Prep											
Duplicate (BH21323-DUP1) Duplicate	*Source sample: 22H1164-36 (Duplicate)							Prepared & Analyzed: 08/22/2022			
% Solids	92.2	0.100	%		92.2				0.0664	20	

Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC.

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22H1159

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan Engineering	Company:	Company:	170610609	RUSH - Next Day
Address: 360 W 31st St New York, NY 10001	Address	Address	YOUR Project Name	RUSH - Two Day
Phone: 212 479 5400	Phone	Phone:	475 Bay St	RUSH - Three Day X
Contact: Kim Semaa	Contact	Contact		RUSH - Four Day
E-mail: ksemaa@langan.com	E-mail	E-mail	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP73_6 5	S	08/18/22 1202	Lead and Barium	1 4oz jar

Comments: Include lesmail@langan.com and maronica@langan.com on all email correspondance

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ____ MeOH ____ HNO3 ____ H2SO4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other: ____

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	08/18/22 1444	York Sales	8/18/22 1446	York Sales	8/18/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
KBarthold	8/19/22 6AM	KBarthold	8/19/22 7AM		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				York	8/19/22 0700 3.8 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 02/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0773

Report Date: 02/21/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0773

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 16, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0773-01	WC11A_Base_4.0	Soil	02/16/2022	02/16/2022
22B0773-02	WC11A_SW_E_4.0	Soil	02/16/2022	02/16/2022
22B0773-03	WC11A_SW_N_4.0	Soil	02/16/2022	02/16/2022
22B0773-04	WC11A_SW_S_4.0	Soil	02/16/2022	02/16/2022
22B0773-05	WC11A_SW_W_4.0	Soil	02/16/2022	02/16/2022
22B0773-06	SB107_Base_4.0	Soil	02/16/2022	02/16/2022
22B0773-07	SB107_SW_N_4.0	Soil	02/16/2022	02/16/2022
22B0773-08	SB107_SW_E_4.0	Soil	02/16/2022	02/16/2022
22B0773-09	SB107_SW_S_4.0	Soil	02/16/2022	02/16/2022
22B0773-10	SB107_SW_W_4.0	Soil	02/16/2022	02/16/2022

General Notes for York Project (SDG) No.: 22B0773

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 02/21/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: WC11A_Base_4.0 **York Sample ID:** 22B0773-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:00 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**205**		mg/kg dry	0.576	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.280**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 12:51	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.9**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: WC11A_SW_E_4.0 **York Sample ID:** 22B0773-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:05 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**16.2**		mg/kg dry	0.571	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:08	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 12:54	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.6**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: WC11A_SW_N_4.0 **York Sample ID:** 22B0773-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:10 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**53.7**		mg/kg dry	0.589	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:10	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 12:56	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: WC11A_SW_S_4.0 **York Sample ID:** 22B0773-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:15 pm	02/16/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**34.2**		mg/kg dry	0.556	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 12:59	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.9**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: WC11A_SW_W_4.0 **York Sample ID:** 22B0773-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:20 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**43.2**		mg/kg dry	0.564	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:20	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:02	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.6**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB107_Base_4.0 **York Sample ID:** 22B0773-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:25 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**46.7**		mg/kg dry	0.588	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.355**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:05	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.0**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB107_SW_N_4.0 **York Sample ID:** 22B0773-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:30 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**13.5**		mg/kg dry	0.563	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:24	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.180**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:08	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.9**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB107_SW_E_4.0 **York Sample ID:** 22B0773-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:35 pm	02/16/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**211**		mg/kg dry	0.623	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:26	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.74**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:11	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.2**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB107_SW_S_4.0 **York Sample ID:** 22B0773-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:40 pm	02/16/2022

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**288**		mg/kg dry	0.686	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:29	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.249**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:13	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**72.8**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: SB107_SW_W_4.0 **York Sample ID:** 22B0773-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0773	170610601	Soil	February 16, 2022 12:45 pm	02/16/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**490**		mg/kg dry	0.591	1	EPA 6010D	02/17/2022 14:56	02/18/2022 14:31	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead TCLP by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.699**	B	mg/L	0.125	1	EPA 6010D/1311	02/18/2022 13:47	02/21/2022 13:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.6**		%	0.100	1	SM 2540G	02/17/2022 10:43	02/17/2022 13:48	MEW
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	02/17/2022 17:09	02/18/2022 11:30	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Analytical Batch Summary

Batch ID: BB22140 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0773-01	WC11A_Base_4.0	02/17/22
22B0773-02	WC11A_SW_E_4.0	02/17/22
22B0773-03	WC11A_SW_N_4.0	02/17/22
22B0773-04	WC11A_SW_S_4.0	02/17/22
22B0773-05	WC11A_SW_W_4.0	02/17/22
22B0773-06	SB107_Base_4.0	02/17/22
22B0773-07	SB107_SW_N_4.0	02/17/22
22B0773-08	SB107_SW_E_4.0	02/17/22
22B0773-09	SB107_SW_S_4.0	02/17/22
22B0773-10	SB107_SW_W_4.0	02/17/22
BB22140-DUP1	Duplicate	02/17/22

Batch ID: BB22162 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B0773-01	WC11A_Base_4.0	02/17/22
22B0773-02	WC11A_SW_E_4.0	02/17/22
22B0773-03	WC11A_SW_N_4.0	02/17/22
22B0773-04	WC11A_SW_S_4.0	02/17/22
22B0773-05	WC11A_SW_W_4.0	02/17/22
22B0773-06	SB107_Base_4.0	02/17/22
22B0773-07	SB107_SW_N_4.0	02/17/22
22B0773-08	SB107_SW_E_4.0	02/17/22
22B0773-09	SB107_SW_S_4.0	02/17/22
22B0773-10	SB107_SW_W_4.0	02/17/22
BB22162-BLK1	Blank	02/17/22
BB22162-DUP1	Duplicate	02/17/22
BB22162-MS1	Matrix Spike	02/17/22
BB22162-PS1	Post Spike	02/17/22
BB22162-SRM1	Reference	02/17/22

Batch ID: BB22176 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
22B0773-01	WC11A_Base_4.0	02/17/22
22B0773-02	WC11A_SW_E_4.0	02/17/22
22B0773-03	WC11A_SW_N_4.0	02/17/22
22B0773-04	WC11A_SW_S_4.0	02/17/22
22B0773-05	WC11A_SW_W_4.0	02/17/22
22B0773-06	SB107_Base_4.0	02/17/22
22B0773-07	SB107_SW_N_4.0	02/17/22
22B0773-08	SB107_SW_E_4.0	02/17/22
22B0773-09	SB107_SW_S_4.0	02/17/22
22B0773-10	SB107_SW_W_4.0	02/17/22
BB22176-BLK1	Blank	02/17/22

Batch ID: BB22239 **Preparation Method:** EPA 3015A/1311 **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B0773-01	WC11A_Base_4.0	02/18/22
22B0773-02	WC11A_SW_E_4.0	02/18/22
22B0773-03	WC11A_SW_N_4.0	02/18/22
22B0773-04	WC11A_SW_S_4.0	02/18/22
22B0773-05	WC11A_SW_W_4.0	02/18/22
22B0773-06	SB107_Base_4.0	02/18/22
22B0773-07	SB107_SW_N_4.0	02/18/22
22B0773-08	SB107_SW_E_4.0	02/18/22
22B0773-09	SB107_SW_S_4.0	02/18/22
22B0773-10	SB107_SW_W_4.0	02/18/22
BB22239-BLK1	Blank	02/18/22
BB22239-BS1	LCS	02/18/22
BB22239-DUP1	Duplicate	02/18/22
BB22239-LBK1	Leach Fluid Blank	02/18/22
BB22239-MS1	Matrix Spike	02/18/22
BB22239-PS1	Post Spike	02/18/22

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
Batch BB22162 - EPA 3050B												
Blank (BB22162-BLK1)	Blank								Prepared: 02/17/2022 Analyzed: 02/18/2022			
Lead		ND	0.500	mg/kg wet								
Duplicate (BB22162-DUP1)	Duplicate	*Source sample: 22B0839-01 (Duplicate)							Prepared: 02/17/2022 Analyzed: 02/18/2022			
Lead		25.6	0.591	mg/kg dry		158				144	35	Non-dir.
Matrix Spike (BB22162-MS1)	Matrix Spike	*Source sample: 22B0839-01 (Matrix Spike)							Prepared: 02/17/2022 Analyzed: 02/18/2022			
Lead		84.6	0.591	mg/kg dry	59.1	158	NR	75-125	Low Bias			
Post Spike (BB22162-PS1)	Post Spike	*Source sample: 22B0839-01 (Post Spike)							Prepared: 02/17/2022 Analyzed: 02/18/2022			
Lead		1.94		ug/mL	0.500	1.34	120	75-125				
Reference (BB22162-SRM1)	Reference								Prepared: 02/17/2022 Analyzed: 02/18/2022			
Lead		156	0.500	mg/kg wet	130		120	71.8-128.5				
Batch BB22239 - EPA 3015A/1311												
Blank (BB22239-BLK1)	Blank								Prepared: 02/18/2022 Analyzed: 02/21/2022			
Lead		0.0105	0.00556	mg/L								
LCS (BB22239-BS1)	LCS								Prepared: 02/18/2022 Analyzed: 02/21/2022			
Lead		0.490		ug/mL	0.500		98.0	80-120				
Duplicate (BB22239-DUP1)	Duplicate	*Source sample: 22B0773-10 (SB107_SW_W_4.0)							Prepared: 02/18/2022 Analyzed: 02/21/2022			
Lead		0.633	0.125	mg/L		0.699				9.94	20	
Leach Fluid Blank (BB22239-	Leach Fluid Blank								Prepared: 02/18/2022 Analyzed: 02/21/2022			
Lead		0.161	0.125	mg/L								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22239 - EPA 3015A/1311											
Matrix Spike (BB22239-MS1) Matrix Spike	*Source sample: 22B0773-10 (SB107_SW_W_4.0)									Prepared: 02/18/2022 Analyzed: 02/21/2022	
Lead	14.2	0.125	mg/L	12.5	0.699	108	75-125				
Post Spike (BB22239-PS1) Post Spike	*Source sample: 22B0773-10 (SB107_SW_W_4.0)									Prepared: 02/18/2022 Analyzed: 02/21/2022	
Lead	0.540		ug/mL	0.500	0.0280	102	75-125				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22140 - % Solids Prep											
Duplicate (BB22140-DUP1) Duplicate	*Source sample: 22B0773-10 (SB107_SW_W_4.0)							Prepared & Analyzed: 02/17/2022			
% Solids	82.4	0.100	%		84.6				2.65	20	

Leachate Preparations - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22176 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BB22176-BLK1) TCLP LEACH BLANK									Prepared: 02/17/2022 Analyzed: 02/18/2022		
TCLP Extraction	Completed	1.00	N/A								

Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
EXT-COMP	Completed
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B0773

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN Engineering	Company:	Company:	170610601	RUSH - Next Day
Address: 300 W 31st Street NY, NY 10001	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day ✓
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Saman	Contact:	Contact:		RUSH - Four Day
E-mail: Ksaman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WC11A-Base-4.0	S	2/16/22 1200	Total Lead & TCLP Lead	4 oz clear glass
WC11A-SW-E-4.0		1205		
WC11A-SW-N-4.0		1210		
WC11A-SW-S-4.0		1215		
WC11A-SW-W-4.0		1220		
SB107-Base-4.0		1225		
SB107-SW-N-4.0		1230 ~~1225~~		
SB107-SW-E-4.0		1235 ~~1230~~		
SB107-SW-S-4.0		1240 ~~1235~~		
SB107-SW-W-4.0		1245		

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondence

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Gabriella DeFeonardo/LANGAN	2/16/22 @ 1545	Matt McClure Falk	2/16/22 1545	Matt McClure Falk	2/16/22
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time
Edgar/York	2-16-22 1850	Edgar	2/16/22 2015		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				JJ	2/16/22 2015 / 2-4 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1156

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 03/08/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B1156

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 24, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B1156-01	EP30_5.5	Soil	02/24/2022	02/24/2022
22B1156-02	EP33_5.0	Soil	02/24/2022	02/24/2022
22B1156-03	EP35_4-5	Soil	02/24/2022	02/24/2022
22B1156-04	SB107_SW_W_3.0	Soil	02/24/2022	02/24/2022
22B1156-05	EP53_4.0	Soil	02/24/2022	02/24/2022
22B1156-06	FB01_PFAS_02242022	Water	02/24/2022	02/24/2022

General Notes for York Project (SDG) No.: 22B1156

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 03/08/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EP30_5.5 **York Sample ID:** 22B1156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 1:45 pm	02/24/2022

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:17	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*90.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*78.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*84.7 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.5**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: EP33_5.0 **York Sample ID:** 22B1156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:00 pm	02/24/2022

Semi-Volatiles, Select PAH (B)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D	02/25/2022 13:27	02/28/2022 11:47	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*95.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*85.6 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*91.6 %*	*24-116*

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**67.2**		mg/kg dry	1.10	1	EPA 6010D	02/28/2022 15:40	03/01/2022 13:53	KT
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.6**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP35_4-5 **York Sample ID:** 22B1156-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:15 pm	02/24/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**6.34**		mg/kg dry	0.554	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:20	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473	02/28/2022 10:06	02/28/2022 15:18	ZZZ
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB107_SW_W_3.0 **York Sample ID:** 22B1156-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:45 pm	02/24/2022

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**4.28**		mg/kg dry	0.556	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.8**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.011**	CCV-E	mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	02/28/2022 06:07	02/28/2022 13:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.371	2	EPA 8270D	02/25/2022 13:27	02/28/2022 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*92.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*91.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*93.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*83.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.7 %*	*24-116*

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	02/25/2022 13:30	02/28/2022 11:52	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.0 %*	*39-127.5*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	02/25/2022 12:19	03/01/2022 14:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.5 %*	*25-150*
Surrogate: M5PFHxA	*93.1 %*	*25-150*
Surrogate: M4PFHpA	*87.2 %*	*25-150*
Surrogate: M3PFHxS	*89.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.1 %*	*25-150*
Surrogate: M6PFDA	*93.8 %*	*25-150*
Surrogate: M7PFUdA	*81.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.9 %*	*25-150*
Surrogate: M2PFTeDA	*58.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*87.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*122 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*119 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*75.9 %*	*25-200*
Surrogate: M9PFNA	*93.3 %*	*25-150*

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/25/2022 13:21	02/28/2022 10:33	CM

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Pesticides, 8081 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
12789-03-6	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B	02/25/2022 13:21	02/28/2022 10:33	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.9 %*	*30-150*

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	02/25/2022 13:21	02/27/2022 14:30	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.5 %*	*30-150*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0222	1	EPA 8151A	02/25/2022 07:18	02/28/2022 13:27	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*86.4 %*	*21-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8960**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**3.36**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.68	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**64.7**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2040**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**22.3**		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.25**		mg/kg dry	0.447	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**169**		mg/kg dry	2.23	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17700**		mg/kg dry	27.9	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**5.16**		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4150**	B	mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**259**	B	mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**125**		mg/kg dry	1.12	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1340**		mg/kg dry	5.58	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**168**		mg/kg dry	55.8	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.2**		mg/kg dry	1.12	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**28.7**		mg/kg dry	2.79	1	EPA 6010D	02/25/2022 16:39	02/28/2022 18:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: EP53_4.0 **York Sample ID:** 22B1156-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Soil	February 24, 2022 2:30 pm	02/24/2022

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	02/28/2022 10:06	02/28/2022 15:25	ZZZ
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	02/25/2022 12:53	02/25/2022 20:23	MAO
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**22.3**		mg/kg	0.500	1	Calculation	02/28/2022 17:39	03/01/2022 16:25	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C	02/25/2022 13:44	02/25/2022 20:32	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.5**		%	0.100	1	SM 2540G	02/28/2022 12:42	02/28/2022 15:24	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: **FB01_PFAS_02242022** **York Sample ID:** **22B1156-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Water	February 24, 2022 3:00 pm	02/24/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	02/28/2022 12:42	02/28/2022 20:31	WL

Sample Information

Client Sample ID: FB01_PFAS_02242022 **York Sample ID:** 22B1156-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B1156	170610601	Water	February 24, 2022 3:00 pm	02/24/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m	02/28/2022 12:42	02/28/2022 20:31	WL
							Certifications:			

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*92.5 %*		*25-150*
Surrogate: M5PFHxA	*96.2 %*		*25-150*
Surrogate: M4PFHpA	*86.5 %*		*25-150*
Surrogate: M3PFHxS	*74.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.5 %*		*25-150*
Surrogate: M6PFDA	*96.6 %*		*25-150*
Surrogate: M7PFUdA	*91.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*71.7 %*		*25-150*
Surrogate: M2PFTeDA	*77.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.7 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*68.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*141 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*164 %*	PFSu-H	*25-150*
Surrogate: M2-6:2 FTS	*143 %*		*25-200*
Surrogate: M2-8:2 FTS	*233 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*87.4 %*		*25-150*

Analytical Batch Summary

Batch ID: BB22608 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22608-BLK1	Blank	02/25/22
BB22608-BS1	LCS	02/25/22
BB22608-MS1	Matrix Spike	02/25/22
BB22608-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22627 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22627-BLK1	Blank	02/25/22
BB22627-BS1	LCS	02/25/22
BB22627-MS1	Matrix Spike	02/25/22
BB22627-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22629 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22629-BLK1	Blank	02/25/22
BB22629-DUP1	Duplicate	02/25/22
BB22629-MS1	Matrix Spike	02/25/22
BB22629-SRM1	Reference	02/25/22

Batch ID: BB22636 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22636-BLK1	Blank	02/25/22
BB22636-BLK2	Blank	02/25/22
BB22636-BS1	LCS	02/25/22
BB22636-BS2	LCS	02/25/22
BB22636-MS2	Matrix Spike	02/25/22
BB22636-MSD2	Matrix Spike Dup	02/25/22

Batch ID: BB22637 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-01	EP30_5.5	02/25/22
22B1156-02	EP33_5.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22637-BLK1	Blank	02/25/22

BB22637-BS1	LCS	02/25/22
BB22637-MS1	Matrix Spike	02/25/22
BB22637-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22638 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22638-BLK1	Blank	02/25/22
BB22638-BS1	LCS	02/25/22
BB22638-MS1	Matrix Spike	02/25/22
BB22638-MSD1	Matrix Spike Dup	02/25/22

Batch ID: BB22643 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/25/22
BB22643-BLK1	Blank	02/25/22
BB22643-DUP1	Duplicate	02/25/22
BB22643-MS1	Matrix Spike	02/25/22
BB22643-SRM1	Reference	02/25/22

Batch ID: BB22665 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-03	EP35_4-5	02/25/22
22B1156-04	SB107_SW_W_3.0	02/25/22
22B1156-05	EP53_4.0	02/25/22
BB22665-BLK1	Blank	02/25/22
BB22665-DUP1	Duplicate	02/25/22
BB22665-MS1	Matrix Spike	02/25/22
BB22665-PS1	Post Spike	02/25/22
BB22665-SRM1	Reference	02/25/22

Batch ID: BB22699 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-03	EP35_4-5	02/28/22
22B1156-05	EP53_4.0	02/28/22
BB22699-BLK1	Blank	02/28/22
BB22699-DUP1	Duplicate	02/28/22
BB22699-MS1	Matrix Spike	02/28/22
BB22699-SRM1	Reference	02/28/22

Batch ID: BB22701 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/28/22

BB22701-BLK1	Blank	02/28/22
BB22701-BLK2	Blank	02/28/22
BB22701-BS1	LCS	02/28/22
BB22701-BSD1	LCS Dup	02/28/22

Batch ID: BB22725 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-06	FB01_PFAS_02242022	02/28/22
BB22725-BLK1	Blank	02/28/22
BB22725-BS1	LCS	02/28/22
BB22725-BSD1	LCS Dup	02/28/22

Batch ID: BB22726 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-01	EP30_5.5	02/28/22
22B1156-02	EP33_5.0	02/28/22
22B1156-03	EP35_4-5	02/28/22
22B1156-04	SB107_SW_W_3.0	02/28/22
22B1156-05	EP53_4.0	02/28/22
BB22726-DUP1	Duplicate	02/28/22

Batch ID: BB22762 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-02	EP33_5.0	02/28/22
BB22762-BLK1	Blank	02/28/22
BB22762-DUP1	Duplicate	02/28/22
BB22762-MS1	Matrix Spike	02/28/22
BB22762-PS1	Post Spike	02/28/22
BB22762-SRM1	Reference	02/28/22

Batch ID: BB22779 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
22B1156-05	EP53_4.0	02/28/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK1) Blank									Prepared & Analyzed: 02/28/2022		
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
Blank (BB22701-BLK2) HB-22B1156									Prepared & Analyzed: 02/28/2022		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
Blank (BB22701-BLK2) HB-22B1156									Prepared & Analyzed: 02/28/2022		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.8*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS							Prepared & Analyzed: 02/28/2022				
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.8	75-129				
1,1,1-Trichloroethane	45.4		"	50.0		90.7	71-137				
1,1,2,2-Tetrachloroethane	50.6		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.6		"	50.0		91.2	58-146				
1,1,2-Trichloroethane	46.6		"	50.0		93.3	83-123				
1,1-Dichloroethane	44.1		"	50.0		88.2	75-130				
1,1-Dichloroethylene	44.9		"	50.0		89.8	64-137				
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	56.7		"	50.0		113	80-141				
1,2,4-Trimethylbenzene	52.8		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	51.4		"	50.0		103	74-142				
1,2-Dibromoethane	49.2		"	50.0		98.3	86-123				
1,2-Dichlorobenzene	49.5		"	50.0		99.1	85-122				
1,2-Dichloroethane	45.2		"	50.0		90.3	71-133				
1,2-Dichloropropane	48.5		"	50.0		97.0	81-122				
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126				
1,3-Dichlorobenzene	50.8		"	50.0		102	84-124				
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dioxane	1230		"	1050		117	10-228				
2-Butanone	44.8		"	50.0		89.5	58-147				
2-Hexanone	47.3		"	50.0		94.6	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.7	72-132				
Acetone	26.8		"	50.0		53.6	36-155				
Acrolein	37.3		"	50.0		74.6	10-238				
Acrylonitrile	42.7		"	50.0		85.4	66-141				
Benzene	45.0		"	50.0		90.0	77-127				
Bromochloromethane	44.2		"	50.0		88.4	74-129				
Bromodichloromethane	48.9		"	50.0		97.8	81-124				
Bromoform	53.5		"	50.0		107	80-136				
Bromomethane	40.3		"	50.0		80.6	32-177				
Carbon disulfide	46.6		"	50.0		93.2	10-136				
Carbon tetrachloride	46.9		"	50.0		93.8	66-143				
Chlorobenzene	50.2		"	50.0		100	86-120				
Chloroethane	42.4		"	50.0		84.7	51-142				
Chloroform	45.6		"	50.0		91.2	76-131				
Chloromethane	44.9		"	50.0		89.9	49-132				
cis-1,2-Dichloroethylene	45.1		"	50.0		90.2	74-132				
cis-1,3-Dichloropropylene	52.2		"	50.0		104	81-129				
Cyclohexane	36.1		"	50.0		72.1	70-130				
Dibromochloromethane	49.7		"	50.0		99.5	10-200				
Dibromomethane	46.8		"	50.0		93.5	83-124				
Dichlorodifluoromethane	36.1		"	50.0		72.3	28-158				
Ethyl Benzene	49.4		"	50.0		98.7	84-125				
Hexachlorobutadiene	51.4		"	50.0		103	83-133				
Isopropylbenzene	54.4		"	50.0		109	81-127				
Methyl acetate	40.3		"	50.0		80.5	41-143				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131				
Methylcyclohexane	48.3		"	50.0		96.6	70-130				
Methylene chloride	43.5		"	50.0		87.0	57-141				
n-Butylbenzene	51.9		"	50.0		104	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS (BB22701-BS1) LCS								Prepared & Analyzed: 02/28/2022			
n-Propylbenzene	51.1		ug/L	50.0		102	74-136				
o-Xylene	51.4		"	50.0		103	83-123				
p- & m- Xylenes	99.2		"	100		99.2	82-128				
p-Isopropyltoluene	53.0		"	50.0		106	85-125				
sec-Butylbenzene	51.8		"	50.0		104	83-125				
Styrene	49.6		"	50.0		99.2	86-126				
tert-Butyl alcohol (TBA)	199		"	250		79.7	70-130				
tert-Butylbenzene	45.9		"	50.0		91.8	80-127				
Tetrachloroethylene	45.6		"	50.0		91.3	80-129				
Toluene	45.8		"	50.0		91.7	85-121				
trans-1,2-Dichloroethylene	44.3		"	50.0		88.6	72-132				
trans-1,3-Dichloropropylene	52.5		"	50.0		105	78-132				
Trichloroethylene	48.4		"	50.0		96.7	84-123				
Trichlorofluoromethane	40.2		"	50.0		80.4	62-140				
Vinyl Chloride	41.8		"	50.0		83.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				
LCS Dup (BB22701-BSD1) LCS Dup								Prepared & Analyzed: 02/28/2022			
1,1,1,2-Tetrachloroethane	49.6		ug/L	50.0		99.2	75-129		2.47	30	
1,1,1-Trichloroethane	46.2		"	50.0		92.4	71-137		1.83	30	
1,1,2,2-Tetrachloroethane	51.7		"	50.0		103	79-129		2.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.0		"	50.0		91.9	58-146		0.830	30	
1,1,2-Trichloroethane	47.3		"	50.0		94.6	83-123		1.45	30	
1,1-Dichloroethane	44.3		"	50.0		88.6	75-130		0.452	30	
1,1-Dichloroethylene	45.2		"	50.0		90.4	64-137		0.622	30	
1,2,3-Trichlorobenzene	54.7		"	50.0		109	81-140		0.329	30	
1,2,3-Trichloropropane	51.4		"	50.0		103	81-126		2.04	30	
1,2,4-Trichlorobenzene	56.2		"	50.0		112	80-141		0.744	30	
1,2,4-Trimethylbenzene	52.9		"	50.0		106	84-125		0.132	30	
1,2-Dibromo-3-chloropropane	53.4		"	50.0		107	74-142		3.91	30	
1,2-Dibromoethane	50.5		"	50.0		101	86-123		2.61	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	85-122		1.70	30	
1,2-Dichloroethane	46.1		"	50.0		92.1	71-133		1.97	30	
1,2-Dichloropropane	49.5		"	50.0		98.9	81-122		1.98	30	
1,3,5-Trimethylbenzene	51.5		"	50.0		103	82-126		0.136	30	
1,3-Dichlorobenzene	51.5		"	50.0		103	84-124		1.29	30	
1,4-Dichlorobenzene	51.5		"	50.0		103	84-124		0.662	30	
1,4-Dioxane	1330		"	1050		127	10-228		7.93	30	
2-Butanone	45.1		"	50.0		90.3	58-147		0.868	30	
2-Hexanone	48.1		"	50.0		96.3	70-139		1.78	30	
4-Methyl-2-pentanone	50.2		"	50.0		100	72-132		1.67	30	
Acetone	26.5		"	50.0		53.0	36-155		1.20	30	
Acrolein	39.2		"	50.0		78.4	10-238		5.02	30	
Acrylonitrile	45.1		"	50.0		90.2	66-141		5.40	30	
Benzene	45.9		"	50.0		91.8	77-127		2.00	30	
Bromochloromethane	44.6		"	50.0		89.2	74-129		0.901	30	
Bromodichloromethane	49.6		"	50.0		99.2	81-124		1.42	30	
Bromoform	53.5		"	50.0		107	80-136		0.0187	30	
Bromomethane	42.1		"	50.0		84.2	32-177		4.42	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22701 - EPA 5035A											
LCS Dup (BB22701-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
Carbon disulfide	46.6		ug/L	50.0		93.2	10-136		0.0858	30	
Carbon tetrachloride	46.9		"	50.0		93.9	66-143		0.107	30	
Chlorobenzene	51.1		"	50.0		102	86-120		1.88	30	
Chloroethane	42.0		"	50.0		83.9	51-142		0.973	30	
Chloroform	46.0		"	50.0		92.0	76-131		0.874	30	
Chloromethane	43.5		"	50.0		87.1	49-132		3.14	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.2	74-132		3.27	30	
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129		1.54	30	
Cyclohexane	36.5		"	50.0		73.0	70-130		1.21	30	
Dibromochloromethane	50.9		"	50.0		102	10-200		2.40	30	
Dibromomethane	47.7		"	50.0		95.5	83-124		2.10	30	
Dichlorodifluoromethane	35.2		"	50.0		70.4	28-158		2.61	30	
Ethyl Benzene	50.1		"	50.0		100	84-125		1.39	30	
Hexachlorobutadiene	52.5		"	50.0		105	83-133		2.14	30	
Isopropylbenzene	55.2		"	50.0		110	81-127		1.42	30	
Methyl acetate	41.1		"	50.0		82.2	41-143		2.02	30	
Methyl tert-butyl ether (MTBE)	50.1		"	50.0		100	74-131		0.0799	30	
Methylcyclohexane	49.1		"	50.0		98.1	70-130		1.60	30	
Methylene chloride	43.7		"	50.0		87.4	57-141		0.527	30	
n-Butylbenzene	53.6		"	50.0		107	80-130		3.20	30	
n-Propylbenzene	52.1		"	50.0		104	74-136		1.90	30	
o-Xylene	52.2		"	50.0		104	83-123		1.55	30	
p- & m- Xylenes	101		"	100		101	82-128		1.43	30	
p-Isopropyltoluene	53.2		"	50.0		106	85-125		0.471	30	
sec-Butylbenzene	52.1		"	50.0		104	83-125		0.596	30	
Styrene	50.7		"	50.0		101	86-126		2.15	30	
tert-Butyl alcohol (TBA)	204		"	250		81.6	70-130		2.42	30	
tert-Butylbenzene	46.7		"	50.0		93.4	80-127		1.68	30	
Tetrachloroethylene	46.0		"	50.0		92.0	80-129		0.808	30	
Toluene	47.0		"	50.0		93.9	85-121		2.44	30	
trans-1,2-Dichloroethylene	45.4		"	50.0		90.9	72-132		2.50	30	
trans-1,3-Dichloropropylene	52.3		"	50.0		105	78-132		0.439	30	
Trichloroethylene	49.6		"	50.0		99.3	84-123		2.59	30	
Trichlorofluoromethane	39.3		"	50.0		78.7	62-140		2.14	30	
Vinyl Chloride	41.6		"	50.0		83.2	52-130		0.599	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB22637 - EPA 3546 SVOA

Blank (BB22637-BLK1) Blank — Prepared: 02/25/2022 Analyzed: 02/28/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"
Caprolactam	ND	0.0830	"
Carbazole	ND	0.0416	"
Chrysene	ND	0.0416	"
Dibenzo(a,h)anthracene	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Blank (BB22637-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	*2.42*		"	*1.66*		*146*	*20-108*				
Surrogate: SURR: Phenol-d5	*2.41*		"	*1.66*		*145*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.26*		"	*0.831*		*152*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*1.19*		"	*0.831*		*143*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.17*		"	*1.66*		*131*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.31*		"	*0.831*		*158*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
LCS (BB22637-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,1-Biphenyl	0.737	0.0416	mg/kg wet	0.831		88.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.731	0.0830	"	0.831		88.0	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.857	0.0416	"	0.831		103	17-137				
2,3,4,6-Tetrachlorophenol	0.888	0.0830	"	0.831		107	30-130				
2,4,5-Trichlorophenol	0.788	0.0416	"	0.831		94.8	27-118				
2,4,6-Trichlorophenol	0.800	0.0416	"	0.831		96.3	31-120				
2,4-Dichlorophenol	0.712	0.0416	"	0.831		85.7	20-127				
2,4-Dimethylphenol	0.736	0.0416	"	0.831		88.6	14-132				
2,4-Dinitrophenol	0.545	0.0830	"	0.831		65.6	10-171				
2,4-Dinitrotoluene	1.03	0.0416	"	0.831		124	34-131				
2,6-Dinitrotoluene	1.00	0.0416	"	0.831		121	31-128				
2-Chloronaphthalene	0.735	0.0416	"	0.831		88.5	31-117				
2-Chlorophenol	0.736	0.0416	"	0.831		88.6	33-113				
2-Methylnaphthalene	0.693	0.0416	"	0.831		83.4	12-138				
2-Methylphenol	0.788	0.0416	"	0.831		94.9	10-136				
2-Nitroaniline	0.925	0.0830	"	0.831		111	27-132				
2-Nitrophenol	0.856	0.0416	"	0.831		103	17-129				
3- & 4-Methylphenols	0.716	0.0416	"	0.831		86.2	29-103				
3,3-Dichlorobenzidine	0.833	0.0416	"	0.831		100	22-149				
3-Nitroaniline	0.644	0.0830	"	0.831		77.6	20-133				
4,6-Dinitro-2-methylphenol	1.02	0.0830	"	0.831		123	10-143				
4-Bromophenyl phenyl ether	0.650	0.0416	"	0.831		78.3	29-120				
4-Chloro-3-methylphenol	0.749	0.0416	"	0.831		90.2	24-129				
4-Chloroaniline	0.355	0.0416	"	0.831		42.8	10-132				
4-Chlorophenyl phenyl ether	0.761	0.0416	"	0.831		91.6	27-124				
4-Nitroaniline	0.871	0.0830	"	0.831		105	16-128				
4-Nitrophenol	1.10	0.0830	"	0.831		132	10-141				
Acenaphthene	0.785	0.0416	"	0.831		94.5	30-121				
Acenaphthylene	0.750	0.0416	"	0.831		90.3	30-115				
Acetophenone	0.698	0.0416	"	0.831		84.0	20-112				
Aniline	0.773	0.166	"	0.831		93.1	10-119				
Anthracene	0.811	0.0416	"	0.831		97.7	34-118				
Atrazine	0.706	0.0416	"	0.831		85.0	26-112				
Benzaldehyde	0.693	0.0416	"	0.831		83.5	21-100				
Benzo(a)anthracene	0.851	0.0416	"	0.831		103	32-122				
Benzo(a)pyrene	0.799	0.0416	"	0.831		96.2	29-133				
Benzo(b)fluoranthene	0.840	0.0416	"	0.831		101	25-133				
Benzo(g,h,i)perylene	0.788	0.0416	"	0.831		94.9	10-143				
Benzo(k)fluoranthene	0.828	0.0416	"	0.831		99.7	25-128				
Benzoic acid	0.127	0.0416	"	0.831		15.3	10-140				
Benzyl alcohol	0.776	0.0416	"	0.831		93.4	30-115				
Benzyl butyl phthalate	0.876	0.0416	"	0.831		105	26-126				
Bis(2-chloroethoxy)methane	0.733	0.0416	"	0.831		88.2	19-132				
Bis(2-chloroethyl)ether	0.746	0.0416	"	0.831		89.8	19-125				
Bis(2-chloroisopropyl)ether	0.909	0.0416	"	0.831		109	20-135				
Bis(2-ethylhexyl)phthalate	0.958	0.0416	"	0.831		115	10-155				
Caprolactam	0.795	0.0830	"	0.831		95.7	10-127				
Carbazole	0.827	0.0416	"	0.831		99.6	35-123				
Chrysene	0.789	0.0416	"	0.831		95.0	32-123				
Dibenzo(a,h)anthracene	0.849	0.0416	"	0.831		102	10-136				
Dibenzofuran	0.771	0.0416	"	0.831		92.8	29-121				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
LCS (BB22637-BS1) LCS								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Diethyl phthalate	0.806	0.0416	mg/kg wet	0.831		97.0	34-116				
Dimethyl phthalate	0.792	0.0416	"	0.831		95.3	35-124				
Di-n-butyl phthalate	0.861	0.0416	"	0.831		104	31-116				
Di-n-octyl phthalate	0.909	0.0416	"	0.831		109	26-136				
Diphenylamine	0.806	0.0830	"	0.831		97.0	40-140				
Fluoranthene	0.829	0.0416	"	0.831		99.8	33-122				
Fluorene	0.799	0.0416	"	0.831		96.2	29-123				
Hexachlorobenzene	0.644	0.0416	"	0.831		77.5	21-124				
Hexachlorobutadiene	0.616	0.0416	"	0.831		74.1	10-149				
Hexachlorocyclopentadiene	0.750	0.0416	"	0.831		90.3	10-129				
Hexachloroethane	0.675	0.0416	"	0.831		81.3	28-108				
Indeno(1,2,3-cd)pyrene	0.781	0.0416	"	0.831		94.1	10-135				
Isophorone	0.780	0.0416	"	0.831		94.0	20-132				
Naphthalene	0.692	0.0416	"	0.831		83.3	23-124				
Nitrobenzene	0.775	0.0416	"	0.831		93.3	13-132				
N-Nitrosodimethylamine	0.886	0.0416	"	0.831		107	11-129				
N-nitroso-di-n-propylamine	0.823	0.0416	"	0.831		99.0	24-119				
N-Nitrosodiphenylamine	0.783	0.0416	"	0.831		94.2	22-152				
Pentachlorophenol	0.708	0.0416	"	0.831		85.2	10-139				
Phenanthrene	0.749	0.0416	"	0.831		90.1	33-123				
Phenol	0.788	0.0416	"	0.831		94.9	23-115				
Pyrene	0.793	0.0416	"	0.831		95.4	24-130				
Pyridine	0.775	0.166	"	0.831		93.3	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	*1.57*		"	*1.66*		*94.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.54*		"	*1.66*		*92.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.817*		"	*0.831*		*98.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.740*		"	*0.831*		*89.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.51*		"	*1.66*		*91.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.818*		"	*0.831*		*98.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike (BB22637-MS1) Matrix Spike	*Source sample: 22B1165-07 (Matrix Spike)							Prepared: 02/25/2022 Analyzed: 02/28/2022			
1,1-Biphenyl	0.704	0.0939	mg/kg dry	0.939	ND	75.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.644	0.188	"	0.939	ND	68.6	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.705	0.0939	"	0.939	ND	75.1	10-144				
2,3,4,6-Tetrachlorophenol	0.312	0.188	"	0.939	ND	33.2	30-130				
2,4,5-Trichlorophenol	0.633	0.0939	"	0.939	ND	67.4	10-127				
2,4,6-Trichlorophenol	0.448	0.0939	"	0.939	ND	47.8	10-132				
2,4-Dichlorophenol	0.662	0.0939	"	0.939	ND	70.6	10-128				
2,4-Dimethylphenol	0.704	0.0939	"	0.939	ND	75.0	10-137				
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.864	0.0939	"	0.939	ND	92.0	16-135				
2,6-Dinitrotoluene	0.891	0.0939	"	0.939	ND	94.9	18-131				
2-Chloronaphthalene	0.657	0.0939	"	0.939	ND	70.0	10-129				
2-Chlorophenol	0.662	0.0939	"	0.939	ND	70.6	15-116				
2-Methylnaphthalene	0.675	0.0939	"	0.939	0.0523	66.4	10-147				
2-Methylphenol	0.750	0.0939	"	0.939	ND	79.9	10-136				
2-Nitroaniline	0.875	0.188	"	0.939	ND	93.2	10-137				
2-Nitrophenol	0.692	0.0939	"	0.939	ND	73.7	10-129				
3- & 4-Methylphenols	0.692	0.0939	"	0.939	ND	73.7	10-123				
3,3-Dichlorobenzidine	0.427	0.0939	"	0.939	ND	45.5	10-155				
3-Nitroaniline	0.655	0.188	"	0.939	ND	69.8	12-133				
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.562	0.0939	"	0.939	ND	59.8	14-128				
4-Chloro-3-methylphenol	0.755	0.0939	"	0.939	ND	80.5	10-134				
4-Chloroaniline	0.342	0.0939	"	0.939	ND	36.5	10-145				
4-Chlorophenyl phenyl ether	0.673	0.0939	"	0.939	ND	71.7	14-130				
4-Nitroaniline	0.722	0.188	"	0.939	ND	76.9	10-147				
4-Nitrophenol	0.398	0.188	"	0.939	ND	42.4	10-137				
Acenaphthene	0.751	0.0939	"	0.939	0.0515	74.5	10-146				
Acenaphthylene	0.718	0.0939	"	0.939	0.0501	71.1	10-134				
Acetophenone	0.673	0.0939	"	0.939	ND	71.7	10-116				
Aniline	0.507	0.376	"	0.939	ND	54.0	10-123				
Anthracene	0.912	0.0939	"	0.939	0.133	82.9	10-142				
Atrazine	0.650	0.0939	"	0.939	ND	69.3	19-115				
Benzaldehyde	0.711	0.0939	"	0.939	ND	75.8	10-125				
Benzo(a)anthracene	1.04	0.0939	"	0.939	0.262	82.7	10-158				
Benzo(a)pyrene	1.04	0.0939	"	0.939	0.266	82.1	10-180				
Benzo(b)fluoranthene	1.02	0.0939	"	0.939	0.233	83.4	10-200				
Benzo(g,h,i)perylene	0.852	0.0939	"	0.939	0.174	72.2	10-138				
Benzo(k)fluoranthene	0.964	0.0939	"	0.939	0.188	82.6	10-197				
Benzoic acid	ND	0.0939	"	0.939	ND		10-166	Low Bias			
Benzyl alcohol	0.710	0.0939	"	0.939	ND	75.7	12-124				
Benzyl butyl phthalate	0.856	0.0939	"	0.939	ND	91.2	10-154				
Bis(2-chloroethoxy)methane	0.658	0.0939	"	0.939	ND	70.1	10-132				
Bis(2-chloroethyl)ether	0.671	0.0939	"	0.939	ND	71.4	10-119				
Bis(2-chloroisopropyl)ether	0.870	0.0939	"	0.939	ND	92.6	10-139				
Bis(2-ethylhexyl)phthalate	1.00	0.0939	"	0.939	0.110	95.2	10-167				
Caprolactam	0.828	0.188	"	0.939	ND	88.2	10-132				
Carbazole	0.850	0.0939	"	0.939	ND	90.6	10-167				
Chrysene	0.977	0.0939	"	0.939	0.258	76.6	10-156				
Dibenzo(a,h)anthracene	0.0503	0.0939	"	0.939	ND	5.36	10-137	Low Bias			
Dibenzofuran	0.719	0.0939	"	0.939	ND	76.6	10-147				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike (BB22637-MS1) Matrix Spike	*Source sample: 22B1165-07 (Matrix Spike)							Prepared: 02/25/2022 Analyzed: 02/28/2022			
Diethyl phthalate	0.728	0.0939	mg/kg dry	0.939	ND	77.5	20-120				
Dimethyl phthalate	0.695	0.0939	"	0.939	ND	74.0	18-131				
Di-n-butyl phthalate	0.847	0.0939	"	0.939	ND	90.2	10-137				
Di-n-octyl phthalate	0.942	0.0939	"	0.939	ND	100	10-180				
Diphenylamine	0.737	0.188	"	0.939	ND	78.5	40-140				
Fluoranthene	1.29	0.0939	"	0.939	0.543	79.6	10-160				
Fluorene	0.785	0.0939	"	0.939	0.0677	76.4	10-157				
Hexachlorobenzene	0.594	0.0939	"	0.939	ND	63.3	10-137				
Hexachlorobutadiene	0.514	0.0939	"	0.939	ND	54.8	10-132				
Hexachlorocyclopentadiene	0.0661	0.0939	"	0.939	ND	7.04	10-106	Low Bias			
Hexachloroethane	0.562	0.0939	"	0.939	ND	59.9	10-110				
Indeno(1,2,3-cd)pyrene	0.899	0.0939	"	0.939	0.181	76.5	10-144				
Isophorone	0.715	0.0939	"	0.939	ND	76.2	10-132				
Naphthalene	0.669	0.0939	"	0.939	0.0707	63.8	10-141				
Nitrobenzene	0.701	0.0939	"	0.939	ND	74.6	10-131				
N-Nitrosodimethylamine	0.761	0.0939	"	0.939	ND	81.0	10-126				
N-nitroso-di-n-propylamine	0.765	0.0939	"	0.939	ND	81.5	10-125				
N-Nitrosodiphenylamine	0.743	0.0939	"	0.939	ND	79.1	10-177				
Pentachlorophenol	0.204	0.0939	"	0.939	ND	21.7	10-153				
Phenanthrene	1.03	0.0939	"	0.939	0.380	69.4	10-148				
Phenol	0.732	0.0939	"	0.939	ND	78.0	10-126				
Pyrene	1.15	0.0939	"	0.939	0.466	73.2	10-165				
Pyridine	0.597	0.376	"	0.939	ND	63.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.36*		*"*	*1.88*		*72.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.50*		*"*	*1.88*		*80.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.761*		*"*	*0.939*		*81.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.659*		*"*	*0.939*		*70.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.854*		*"*	*1.88*		*45.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.743*		*"*	*0.939*		*79.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22637 - EPA 3546 SVOA

Matrix Spike Dup (BB22637-M Matrix Spike Dup *Source sample: 22B1165-07 (Matrix Spike Dup) Prepared: 02/25/2022 Analyzed: 02/28/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.786	0.0939	mg/kg dry	0.939	ND	83.8	10-130		11.0	30	
1,2,4,5-Tetrachlorobenzene	0.700	0.188	"	0.939	ND	74.6	10-133		8.27	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.738	0.0939	"	0.939	ND	78.6	10-144		4.58	30	
2,3,4,6-Tetrachlorophenol	0.387	0.188	"	0.939	ND	41.2	30-130		21.5	30	
2,4,5-Trichlorophenol	0.691	0.0939	"	0.939	ND	73.6	10-127		8.74	30	
2,4,6-Trichlorophenol	0.514	0.0939	"	0.939	ND	54.7	10-132		13.6	30	
2,4-Dichlorophenol	0.718	0.0939	"	0.939	ND	76.5	10-128		8.05	30	
2,4-Dimethylphenol	0.773	0.0939	"	0.939	ND	82.3	10-137		9.36	30	
2,4-Dinitrophenol	ND	0.188	"	0.939	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.841	0.0939	"	0.939	ND	89.6	16-135		2.64	30	
2,6-Dinitrotoluene	0.888	0.0939	"	0.939	ND	94.6	18-131		0.253	30	
2-Chloronaphthalene	0.727	0.0939	"	0.939	ND	77.4	10-129		10.1	30	
2-Chlorophenol	0.698	0.0939	"	0.939	ND	74.3	15-116		5.19	30	
2-Methylnaphthalene	0.761	0.0939	"	0.939	0.0523	75.5	10-147		11.9	30	
2-Methylphenol	0.812	0.0939	"	0.939	ND	86.5	10-136		7.88	30	
2-Nitroaniline	1.03	0.188	"	0.939	ND	110	10-137		16.5	30	
2-Nitrophenol	0.617	0.0939	"	0.939	ND	65.8	10-129		11.4	30	
3- & 4-Methylphenols	0.744	0.0939	"	0.939	ND	79.3	10-123		7.32	30	
3,3-Dichlorobenzidine	0.516	0.0939	"	0.939	ND	55.0	10-155		18.8	30	
3-Nitroaniline	0.869	0.188	"	0.939	ND	92.6	12-133		28.1	30	
4,6-Dinitro-2-methylphenol	ND	0.188	"	0.939	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.611	0.0939	"	0.939	ND	65.1	14-128		8.45	30	
4-Chloro-3-methylphenol	0.851	0.0939	"	0.939	ND	90.6	10-134		11.9	30	
4-Chloroaniline	0.439	0.0939	"	0.939	ND	46.8	10-145		24.8	30	
4-Chlorophenyl phenyl ether	0.748	0.0939	"	0.939	ND	79.7	14-130		10.6	30	
4-Nitroaniline	0.965	0.188	"	0.939	ND	103	10-147		28.9	30	
4-Nitrophenol	0.409	0.188	"	0.939	ND	43.5	10-137		2.61	30	
Acenaphthene	0.857	0.0939	"	0.939	0.0515	85.8	10-146		13.2	30	
Acenaphthylene	0.808	0.0939	"	0.939	0.0501	80.7	10-134		11.8	30	
Acetophenone	0.717	0.0939	"	0.939	ND	76.4	10-116		6.37	30	
Aniline	0.527	0.376	"	0.939	ND	56.2	10-123		3.92	30	
Anthracene	1.04	0.0939	"	0.939	0.133	96.1	10-142		12.7	30	
Atrazine	0.726	0.0939	"	0.939	ND	77.4	19-115		11.0	30	
Benzaldehyde	0.739	0.0939	"	0.939	ND	78.7	10-125		3.83	30	
Benzo(a)anthracene	1.21	0.0939	"	0.939	0.262	101	10-158		15.6	30	
Benzo(a)pyrene	1.18	0.0939	"	0.939	0.266	97.2	10-180		12.8	30	
Benzo(b)fluoranthene	1.14	0.0939	"	0.939	0.233	97.1	10-200		12.0	30	
Benzo(g,h,i)perylene	0.893	0.0939	"	0.939	0.174	76.6	10-138		4.74	30	
Benzo(k)fluoranthene	1.10	0.0939	"	0.939	0.188	97.4	10-197		13.4	30	
Benzoic acid	0.0916	0.0939	"	0.939	ND	9.76	10-166	Low Bias		30	
Benzyl alcohol	0.723	0.0939	"	0.939	ND	77.0	12-124		1.78	30	
Benzyl butyl phthalate	0.979	0.0939	"	0.939	ND	104	10-154		13.3	30	
Bis(2-chloroethoxy)methane	0.694	0.0939	"	0.939	ND	73.9	10-132		5.33	30	
Bis(2-chloroethyl)ether	0.691	0.0939	"	0.939	ND	73.6	10-119		2.98	30	
Bis(2-chloroisopropyl)ether	0.901	0.0939	"	0.939	ND	96.0	10-139		3.56	30	
Bis(2-ethylhexyl)phthalate	1.13	0.0939	"	0.939	0.110	108	10-167		11.6	30	
Caprolactam	0.951	0.188	"	0.939	ND	101	10-132		13.8	30	
Carbazole	0.948	0.0939	"	0.939	ND	101	10-167		10.9	30	
Chrysene	1.12	0.0939	"	0.939	0.258	92.4	10-156		14.1	30	
Dibenzo(a,h)anthracene	0.915	0.0939	"	0.939	ND	97.5	10-137		179	30	Non-dir.
Dibenzofuran	0.815	0.0939	"	0.939	ND	86.8	10-147		12.4	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22637 - EPA 3546 SVOA											
Matrix Spike Dup (BB22637-M Matrix Spike Dup	*Source sample: 22B1165-07 (Matrix Spike Dup)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Diethyl phthalate	0.801	0.0939	mg/kg dry	0.939	ND	85.3	20-120		9.53	30	
Dimethyl phthalate	0.758	0.0939	"	0.939	ND	80.7	18-131		8.69	30	
Di-n-butyl phthalate	0.957	0.0939	"	0.939	ND	102	10-137		12.2	30	
Di-n-octyl phthalate	1.06	0.0939	"	0.939	ND	113	10-180		11.8	30	
Diphenylamine	0.801	0.188	"	0.939	ND	85.3	40-140		8.30	30	
Fluoranthene	1.57	0.0939	"	0.939	0.543	109	10-160		19.2	30	
Fluorene	0.896	0.0939	"	0.939	0.0677	88.2	10-157		13.2	30	
Hexachlorobenzene	0.639	0.0939	"	0.939	ND	68.1	10-137		7.31	30	
Hexachlorobutadiene	0.553	0.0939	"	0.939	ND	59.0	10-132		7.31	30	
Hexachlorocyclopentadiene	ND	0.0939	"	0.939	ND		10-106	Low Bias		30	
Hexachloroethane	0.526	0.0939	"	0.939	ND	56.1	10-110		6.62	30	
Indeno(1,2,3-cd)pyrene	0.964	0.0939	"	0.939	0.181	83.3	10-144		6.94	30	
Isophorone	0.777	0.0939	"	0.939	ND	82.8	10-132		8.35	30	
Naphthalene	0.757	0.0939	"	0.939	0.0707	73.1	10-141		12.3	30	
Nitrobenzene	0.734	0.0939	"	0.939	ND	78.2	10-131		4.71	30	
N-Nitrosodimethylamine	0.796	0.0939	"	0.939	ND	84.8	10-126		4.53	30	
N-nitroso-di-n-propylamine	0.795	0.0939	"	0.939	ND	84.6	10-125		3.76	30	
N-Nitrosodiphenylamine	0.820	0.0939	"	0.939	ND	87.4	10-177		9.90	30	
Pentachlorophenol	0.217	0.0939	"	0.939	ND	23.1	10-153		6.43	30	
Phenanthrene	1.23	0.0939	"	0.939	0.380	91.0	10-148		17.9	30	
Phenol	0.781	0.0939	"	0.939	ND	83.2	10-126		6.45	30	
Pyrene	1.39	0.0939	"	0.939	0.466	98.7	10-165		18.8	30	
Pyridine	0.658	0.376	"	0.939	ND	70.1	10-83		9.69	30	
Surrogate: SURR: 2-Fluorophenol	*1.43*		"	*1.88*		*76.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.61*		"	*1.88*		*85.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.790*		"	*0.939*		*84.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.716*		"	*0.939*		*76.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.967*		"	*1.88*		*51.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.844*		"	*0.939*		*89.9*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22638 - EPA 3550C											
Blank (BB22638-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*366*		*"*	*495*		*74.0*	*39-127.5*				
LCS (BB22638-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	545	19.8	ug/kg	495		110	40-130				
Surrogate: 1,4-Dioxane-d8	*297*		*"*	*495*		*60.0*	*39-127.5*				
Matrix Spike (BB22638-MS1) Matrix Spike *Source sample: 22B0984-17 (Matrix Spike)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	543	19.8	ug/kg	495	ND	110	40-130				
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*40-130*				
Matrix Spike Dup (BB22638-M Matrix Spike Dup *Source sample: 22B0984-17 (Matrix Spike Dup)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
1,4-Dioxane	514	19.8	ug/kg	495	ND	104	40-130		5.44	30	
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*40-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BB22627-BLK1) Blank — Prepared: 02/25/2022 Analyzed: 03/01/2022

Perfluorobutanesulfonic acid (PFBS)	ND	0.229	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.229	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.229	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.229	"								
Perfluorooctanoic acid (PFOA)	ND	0.229	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.229	"								
Perfluorononanoic acid (PFNA)	ND	0.229	"								
Perfluorodecanoic acid (PFDA)	ND	0.229	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.229	"								
Perfluorododecanoic acid (PFDoA)	ND	0.229	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.229	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.229	"								
N-MeFOSAA	ND	0.229	"								
N-EtFOSAA	ND	0.229	"								
Perfluoropentanoic acid (PFPeA)	ND	0.229	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.229	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.229	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.229	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.229	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.229	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.229	"								
Surrogate: M3PFBS	*3.45*		"	*4.25*		*81.2*	*25-150*				
Surrogate: M5PFHxA	*3.82*		"	*4.57*		*83.6*	*25-150*				
Surrogate: M4PFHpA	*3.60*		"	*4.57*		*78.8*	*25-150*				
Surrogate: M3PFHxS	*3.72*		"	*4.32*		*86.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.57*		"	*4.57*		*78.1*	*25-150*				
Surrogate: M6PFDA	*4.46*		"	*4.57*		*97.6*	*25-150*				
Surrogate: M7PFUdA	*2.69*		"	*4.57*		*58.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.54*		"	*4.57*		*55.5*	*25-150*				
Surrogate: M2PFTeDA	*2.35*		"	*4.57*		*51.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.47*		"	*4.57*		*75.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.55*		"	*4.37*		*81.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.87*		"	*4.57*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.80*		"	*4.57*		*61.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.40*		"	*4.57*		*74.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.10*		"	*4.57*		*67.9*	*25-150*				
Surrogate: M2-6:2 FTS	*3.10*		"	*4.34*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*3.57*		"	*4.38*		*81.5*	*25-200*				
Surrogate: M9PFNA	*3.63*		"	*4.57*		*79.5*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BB22627-BS1) LCS									Prepared: 02/25/2022 Analyzed: 03/01/2022		
Perfluorobutanesulfonic acid (PFBS)	4.20	0.231	ug/kg wet	4.10		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.17	0.231	"	4.63		90.1	50-130				
Perfluoroheptanoic acid (PFHpA)	4.86	0.231	"	4.63		105	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.83	0.231	"	4.21		90.9	50-130				
Perfluorooctanoic acid (PFOA)	4.93	0.231	"	4.63		107	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.40	0.231	"	4.28		103	50-130				
Perfluorononanoic acid (PFNA)	4.53	0.231	"	4.63		98.0	50-130				
Perfluorodecanoic acid (PFDA)	4.06	0.231	"	4.63		87.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.21	0.231	"	4.63		90.9	50-130				
Perfluorododecanoic acid (PFDoA)	4.56	0.231	"	4.63		98.5	50-130				
Perfluorotridecanoic acid (PFTrDA)	4.50	0.231	"	4.63		97.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.44	0.231	"	4.63		96.0	50-130				
N-MeFOSAA	4.27	0.231	"	4.63		92.2	50-130				
N-EtFOSAA	4.01	0.231	"	4.63		86.6	50-130				
Perfluoropentanoic acid (PFPeA)	4.86	0.231	"	4.63		105	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.22	0.231	"	4.63		91.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.43	0.231	"	4.42		123	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	3.65	0.231	"	4.47		81.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	3.17	0.231	"	4.40		72.2	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	3.25	0.231	"	4.44		73.2	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.67	0.231	"	4.63		101	50-130				
Surrogate: M3PFBS	*4.02*		*"*	*4.30*		*93.5*	*25-150*				
Surrogate: M5PFHxA	*4.61*		*"*	*4.63*		*99.7*	*25-150*				
Surrogate: M4PFHpA	*4.18*		*"*	*4.63*		*90.4*	*25-150*				
Surrogate: M3PFHxS	*4.29*		*"*	*4.38*		*97.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.90*		*"*	*4.63*		*84.4*	*25-150*				
Surrogate: M6PFDA	*4.48*		*"*	*4.63*		*96.7*	*25-150*				
Surrogate: M7PFUdA	*3.70*		*"*	*4.63*		*79.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.30*		*"*	*4.63*		*71.4*	*25-150*				
Surrogate: M2PFTeDA	*3.23*		*"*	*4.63*		*69.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.06*		*"*	*4.63*		*87.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.98*		*"*	*4.43*		*89.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.97*		*"*	*4.63*		*85.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.73*		*"*	*4.63*		*80.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*4.32*		*"*	*4.63*		*93.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.16*		*"*	*4.63*		*89.8*	*25-150*				
Surrogate: M2-6:2 FTS	*5.54*		*"*	*4.39*		*126*	*25-200*				
Surrogate: M2-8:2 FTS	*4.82*		*"*	*4.43*		*109*	*25-200*				
Surrogate: M9PFNA	*4.16*		*"*	*4.63*		*89.9*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BB22627-MS1) Matrix Spike	*Source sample: 22B1120-02 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 03/01/2022		
Perfluorobutanesulfonic acid (PFBS)	4.87	0.283	ug/kg dry	5.01	ND	97.1	25-150				
Perfluorohexanoic acid (PFHxA)	5.17	0.283	"	5.66	ND	91.3	25-150				
Perfluoroheptanoic acid (PFHpA)	5.41	0.283	"	5.66	ND	95.5	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.36	0.283	"	5.15	ND	84.6	25-150				
Perfluorooctanoic acid (PFOA)	5.87	0.283	"	5.66	ND	104	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.59	0.283	"	5.24	ND	107	25-150				
Perfluorononanoic acid (PFNA)	5.01	0.283	"	5.66	ND	88.5	25-150				
Perfluorodecanoic acid (PFDA)	4.05	0.283	"	5.66	ND	71.5	25-150				
Perfluoroundecanoic acid (PFUnA)	5.86	0.283	"	5.66	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	5.24	0.283	"	5.66	ND	92.4	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.61	0.283	"	5.66	ND	81.4	25-150				
Perfluorotetradecanoic acid (PFTA)	5.22	0.283	"	5.66	ND	92.2	25-150				
N-MeFOSAA	5.67	0.283	"	5.66	ND	100	25-150				
N-EtFOSAA	4.73	0.283	"	5.66	ND	83.5	25-150				
Perfluoropentanoic acid (PFPeA)	5.04	0.283	"	5.66	ND	89.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.53	0.283	"	5.66	ND	97.6	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.43	0.283	"	5.41	ND	100	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.62	0.283	"	5.47	ND	84.4	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	5.15	0.283	"	5.38	ND	95.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.90	0.283	"	5.44	ND	108	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.26	0.283	"	5.66	ND	92.8	25-150				
Surrogate: M3PFBS	*4.75*		*"*	*5.26*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*5.19*		*"*	*5.66*		*91.6*	*25-150*				
Surrogate: M4PFHpA	*4.73*		*"*	*5.66*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*4.92*		*"*	*5.36*		*91.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.48*		*"*	*5.66*		*79.1*	*25-150*				
Surrogate: M6PFDA	*6.20*		*"*	*5.66*		*109*	*25-150*				
Surrogate: M7PFUdA	*3.91*		*"*	*5.66*		*69.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.09*		*"*	*5.66*		*72.3*	*25-150*				
Surrogate: M2PFTeDA	*3.67*		*"*	*5.66*		*64.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.73*		*"*	*5.66*		*83.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.73*		*"*	*5.42*		*87.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.17*		*"*	*5.66*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.06*		*"*	*5.66*		*71.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.53*		*"*	*5.66*		*97.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*5.90*		*"*	*5.66*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*5.66*		*"*	*5.38*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*4.45*		*"*	*5.43*		*82.1*	*25-200*				
Surrogate: M9PFNA	*4.95*		*"*	*5.66*		*87.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BB22627 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BB22627-M Matrix Spike Dup *Source sample: 22B1120-02 (Matrix Spike Dup) Prepared: 02/25/2022 Analyzed: 03/01/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	5.30	0.297	ug/kg dry	5.25	ND	101	25-150		8.48	35	
Perfluorohexanoic acid (PFHxA)	5.94	0.297	"	5.94	ND	100	25-150		13.8	35	
Perfluoroheptanoic acid (PFHpA)	6.29	0.297	"	5.94	ND	106	25-150		15.1	35	
Perfluorohexanesulfonic acid (PFHxS)	4.78	0.297	"	5.40	ND	88.4	25-150		9.13	35	
Perfluorooctanoic acid (PFOA)	5.66	0.297	"	5.94	ND	95.3	25-150		3.69	35	
Perfluorooctanesulfonic acid (PFOS)	5.27	0.297	"	5.49	ND	96.0	25-150		5.83	35	
Perfluorononanoic acid (PFNA)	5.90	0.297	"	5.94	ND	99.3	25-150		16.3	35	
Perfluorodecanoic acid (PFDA)	4.84	0.297	"	5.94	ND	81.6	25-150		17.8	35	
Perfluoroundecanoic acid (PFUnA)	5.39	0.297	"	5.94	ND	90.8	25-150		8.37	35	
Perfluorododecanoic acid (PFDoA)	6.17	0.297	"	5.94	ND	104	25-150		16.4	35	
Perfluorotridecanoic acid (PFTrDA)	4.88	0.297	"	5.94	ND	82.3	25-150		5.70	35	
Perfluorotetradecanoic acid (PFTA)	5.70	0.297	"	5.94	ND	96.0	25-150		8.81	35	
N-MeFOSAA	6.25	0.297	"	5.94	ND	105	25-150		9.72	35	
N-EtFOSAA	5.45	0.297	"	5.94	ND	91.8	25-150		14.1	35	
Perfluoropentanoic acid (PFPeA)	5.62	0.297	"	5.94	ND	94.7	25-150		10.9	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.64	0.297	"	5.94	ND	95.0	25-150		1.98	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.51	0.297	"	5.67	ND	97.2	25-150		1.58	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.36	0.297	"	5.73	ND	76.0	25-150		5.80	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	4.97	0.297	"	5.64	ND	88.2	25-200		3.53	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	5.45	0.297	"	5.70	ND	95.7	25-200		7.84	35	
Perfluoro-n-butanoic acid (PFBA)	5.88	0.297	"	5.94	ND	99.1	25-150		11.2	35	
Surrogate: M3PFBS	*4.94*		"	*5.51*		*89.6*	*25-150*				
Surrogate: M5PFHxA	*5.31*		"	*5.94*		*89.5*	*25-150*				
Surrogate: M4PFHpA	*4.87*		"	*5.94*		*82.0*	*25-150*				
Surrogate: M3PFHxS	*5.14*		"	*5.62*		*91.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.50*		"	*5.94*		*92.7*	*25-150*				
Surrogate: M6PFDA	*5.87*		"	*5.94*		*98.9*	*25-150*				
Surrogate: M7PFUdA	*4.90*		"	*5.94*		*82.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.12*		"	*5.94*		*69.4*	*25-150*				
Surrogate: M2PFTeDA	*3.66*		"	*5.94*		*61.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.88*		"	*5.94*		*82.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*5.57*		"	*5.68*		*98.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*5.23*		"	*5.94*		*88.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.52*		"	*5.94*		*76.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*5.78*		"	*5.94*		*97.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*6.16*		"	*5.94*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*6.51*		"	*5.63*		*116*	*25-200*				
Surrogate: M2-8:2 FTS	*6.02*		"	*5.69*		*106*	*25-200*				
Surrogate: M9PFNA	*5.17*		"	*5.94*		*87.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
Blank (BB22725-BLK1) Blank								Prepared & Analyzed: 02/28/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*68.3*		"	*74.3*		*91.9*	*25-150*				
Surrogate: M5PFHxA	*76.5*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*75.1*		"	*80.0*		*93.9*	*25-150*				
Surrogate: M3PFHxS	*75.6*		"	*75.7*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.6*		"	*80.0*		*99.5*	*25-150*				
Surrogate: M6PFDA	*83.2*		"	*80.0*		*104*	*25-150*				
Surrogate: M7PFUdA	*74.1*		"	*80.0*		*92.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*67.3*		"	*80.0*		*84.1*	*25-150*				
Surrogate: M2PFTeDA	*57.7*		"	*80.0*		*72.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*69.4*		"	*80.0*		*86.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*75.6*		"	*76.6*		*98.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.9*		"	*80.0*		*89.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*47.7*		"	*80.0*		*59.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*97.5*		"	*80.0*		*122*	*25-150*				
Surrogate: d5-N-EtFOSAA	*109*		"	*80.0*		*136*	*25-150*				
Surrogate: M2-6:2 FTS	*86.0*		"	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*90.5*		"	*76.6*		*118*	*25-200*				
Surrogate: M9PFNA	*77.3*		"	*80.0*		*96.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS (BB22725-BS1) LCS							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	71.3	2.00	ng/L	70.8		101	50-130				
Perfluorohexanoic acid (PFHxA)	70.3	2.00	"	80.0		87.8	50-130				
Perfluoroheptanoic acid (PFHpA)	70.1	2.00	"	80.0		87.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.5	2.00	"	72.8		87.2	50-130				
Perfluorooctanoic acid (PFOA)	62.2	2.00	"	80.0		77.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.9	2.00	"	74.0		99.9	50-130				
Perfluorononanoic acid (PFNA)	73.7	2.00	"	80.0		92.1	50-130				
Perfluorodecanoic acid (PFDA)	71.3	2.00	"	80.0		89.1	50-130				
Perfluoroundecanoic acid (PFUnA)	77.7	2.00	"	80.0		97.1	50-130				
Perfluorododecanoic acid (PFDoA)	69.7	2.00	"	80.0		87.1	50-130				
Perfluorotridecanoic acid (PFTrDA)	61.8	2.00	"	80.0		77.2	50-130				
Perfluorotetradecanoic acid (PFTA)	66.2	2.00	"	80.0		82.8	50-130				
N-MeFOSAA	68.6	2.00	"	80.0		85.8	50-130				
N-EtFOSAA	76.6	2.00	"	80.0		95.7	50-130				
Perfluoropentanoic acid (PFPeA)	74.3	2.00	"	80.0		92.8	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.4	2.00	"	80.0		95.5	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	84.5	2.00	"	76.4		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	2.00	"	77.2		87.9	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	62.3	5.00	"	76.0		82.0	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.0	2.00	"	76.8		92.5	50-175				
Perfluoro-n-butanoic acid (PFBA)	74.4	2.00	"	80.0		93.0	50-130				
Surrogate: M3PFBS	*68.5*		*"*	*74.3*		*92.2*	*25-150*				
Surrogate: M5PFHxA	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*81.2*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*78.0*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*94.8*		*"*	*80.0*		*118*	*25-150*				
Surrogate: M6PFDA	*81.9*		*"*	*80.0*		*102*	*25-150*				
Surrogate: M7PFUdA	*83.3*		*"*	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: M2PFTeDA	*68.5*		*"*	*80.0*		*85.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.0*		*"*	*80.0*		*90.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.8*		*"*	*76.6*		*108*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.7*		*"*	*80.0*		*94.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*52.7*		*"*	*80.0*		*65.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*109*		*"*	*80.0*		*136*	*25-150*				
Surrogate: d5-N-EtFOSAA	*118*		*"*	*80.0*		*147*	*25-150*				
Surrogate: M2-6:2 FTS	*105*		*"*	*75.9*		*138*	*25-200*				
Surrogate: M2-8:2 FTS	*125*		*"*	*76.6*		*163*	*25-200*				
Surrogate: M9PFNA	*80.1*		*"*	*80.0*		*100*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22725 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BB22725-BSD1) LCS Dup							Prepared & Analyzed: 02/28/2022				
Perfluorobutanesulfonic acid (PFBS)	69.3	2.00	ng/L	70.8		97.8	50-130		2.95	30	
Perfluorohexanoic acid (PFHxA)	72.0	2.00	"	80.0		90.1	50-130		2.49	30	
Perfluoroheptanoic acid (PFHpA)	74.5	2.00	"	80.0		93.1	50-130		6.15	30	
Perfluorohexanesulfonic acid (PFHxS)	63.0	2.00	"	72.8		86.5	50-130		0.798	30	
Perfluorooctanoic acid (PFOA)	70.8	2.00	"	80.0		88.5	50-130		13.0	30	
Perfluorooctanesulfonic acid (PFOS)	82.2	2.00	"	74.0		111	50-130		10.6	30	
Perfluorononanoic acid (PFNA)	75.7	2.00	"	80.0		94.7	50-130		2.73	30	
Perfluorodecanoic acid (PFDA)	66.8	2.00	"	80.0		83.5	50-130		6.54	30	
Perfluoroundecanoic acid (PFUnA)	70.6	2.00	"	80.0		88.3	50-130		9.49	30	
Perfluorododecanoic acid (PFDoA)	74.1	2.00	"	80.0		92.7	50-130		6.17	30	
Perfluorotridecanoic acid (PFTrDA)	68.1	2.00	"	80.0		85.1	50-130		9.63	30	
Perfluorotetradecanoic acid (PFTA)	75.4	2.00	"	80.0		94.2	50-130		12.9	30	
N-MeFOSAA	77.3	2.00	"	80.0		96.7	50-130		11.9	30	
N-EtFOSAA	82.1	2.00	"	80.0		103	50-130		6.99	30	
Perfluoropentanoic acid (PFPeA)	77.9	2.00	"	80.0		97.3	50-130		4.72	30	
Perfluoro-1-octanesulfonamide (FOSA)	81.8	2.00	"	80.0		102	50-130		6.89	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.6	2.00	"	76.4		104	50-130		5.97	30	
Perfluoro-1-decanesulfonic acid (PFDS)	67.5	2.00	"	77.2		87.5	50-130		0.410	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	49.3	5.00	"	76.0		64.9	50-175		23.3	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	2.00	"	76.8		89.1	50-175		3.72	30	
Perfluoro-n-butanoic acid (PFBA)	77.0	2.00	"	80.0		96.2	50-130		3.39	30	
Surrogate: M3PFBS	*64.1*		"	*74.3*		*86.3*	*25-150*				
Surrogate: M5PFHxA	*72.9*		"	*80.0*		*91.1*	*25-150*				
Surrogate: M4PFHpA	*69.2*		"	*80.0*		*86.5*	*25-150*				
Surrogate: M3PFHxS	*70.1*		"	*75.7*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.1*		"	*80.0*		*90.2*	*25-150*				
Surrogate: M6PFDA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M7PFUdA	*73.1*		"	*80.0*		*91.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.9*		"	*80.0*		*79.9*	*25-150*				
Surrogate: M2PFTeDA	*58.3*		"	*80.0*		*72.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4*		"	*80.0*		*79.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.9*		"	*76.6*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.1*		"	*80.0*		*81.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*46.8*		"	*80.0*		*58.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*90.2*		"	*80.0*		*113*	*25-150*				
Surrogate: d5-N-EtFOSAA	*83.4*		"	*80.0*		*104*	*25-150*				
Surrogate: M2-6:2 FTS	*106*		"	*75.9*		*140*	*25-200*				
Surrogate: M2-8:2 FTS	*88.8*		"	*76.6*		*116*	*25-200*				
Surrogate: M9PFNA	*70.0*		"	*80.0*		*87.5*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22636 - EPA 3550C											
Blank (BB22636-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0426*		*"*	*0.0664*		*64.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0484*		*"*	*0.0664*		*72.8*	*30-150*				
LCS (BB22636-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
4,4'-DDD	0.0328	0.00164	mg/kg wet	0.0332		98.7	40-140				
4,4'-DDE	0.0312	0.00164	"	0.0332		93.8	40-140				
4,4'-DDT	0.0138	0.00164	"	0.0332		41.4	40-140				
Aldrin	0.0380	0.00164	"	0.0332		114	40-140				
alpha-BHC	0.0430	0.00164	"	0.0332		129	40-140				
alpha-Chlordane	0.0345	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0374	0.00164	"	0.0332		113	40-140				
delta-BHC	0.0385	0.00164	"	0.0332		116	40-140				
Dieldrin	0.0337	0.00164	"	0.0332		101	40-140				
Endosulfan I	0.0357	0.00164	"	0.0332		107	40-140				
Endosulfan II	0.0312	0.00164	"	0.0332		94.0	40-140				
Endosulfan sulfate	0.0270	0.00164	"	0.0332		81.3	40-140				
Endrin	0.0267	0.00164	"	0.0332		80.4	40-140				
Endrin aldehyde	0.0374	0.00164	"	0.0332		113	40-140				
Endrin ketone	0.0351	0.00164	"	0.0332		106	40-140				
gamma-BHC (Lindane)	0.0405	0.00164	"	0.0332		122	40-140				
gamma-Chlordane	0.0350	0.00164	"	0.0332		105	40-140				
Heptachlor	0.0286	0.00164	"	0.0332		86.2	40-140				
Heptachlor epoxide	0.0362	0.00164	"	0.0332		109	40-140				
Methoxychlor	0.0178	0.00164	"	0.0332		53.6	40-140				
Surrogate: Decachlorobiphenyl	*0.0416*		*"*	*0.0664*		*62.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0479*		*"*	*0.0664*		*72.0*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B0801 - BB21154											
Performance Mix (Y2B0801-P Performance Mix									Prepared & Analyzed: 02/07/2022		
4,4'-DDD	17.4		ng/mL	0.00			0-200				
4,4'-DDE	2.85		"	0.00			0-200				
4,4'-DDT	227		"	200		113	0-200				
Endrin	142		"	100		142	0-200				
Endrin aldehyde	7.48		"	0.00			0-200				
Endrin ketone	18.5		"	0.00			0-200				
Surrogate: Decachlorobiphenyl	*276*		*"*	*200*		*138*	*0-200*				
Surrogate: Tetrachloro-m-xylene	*277*		*"*	*200*		*139*	*0-200*				
Batch Y2C0101 - BB22117											
Performance Mix (Y2C0101-P Performance Mix									Prepared & Analyzed: 02/28/2022		
4,4'-DDD	26.5		ng/mL	0.00			0-200				
4,4'-DDE	2.63		"	0.00			0-200				
4,4'-DDT	305		"	200		153	0-200				
Endrin	193		"	100		193	0-200				
Endrin aldehyde	10.3		"	0.00			0-200				
Endrin ketone	25.8		"	0.00			0-200				
Performance Mix (Y2C0101-P Performance Mix									Prepared & Analyzed: 02/28/2022		
4,4'-DDD	36.9		ng/mL	0.00			0-200				
4,4'-DDE	2.94		"	0.00			0-200				
4,4'-DDT	337		"	200		169	0-200				
Endrin	217		"	100		217	0-200	High Bias			
Endrin aldehyde	1.13		"	0.00			0-200				
Endrin ketone	33.0		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22636 - EPA 3550C											
Blank (BB22636-BLK2) Blank								Prepared: 02/25/2022 Analyzed: 02/27/2022			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0495*		*"*	*0.0664*		*74.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0355*		*"*	*0.0664*		*53.5*	*30-150*				
LCS (BB22636-BS2) LCS								Prepared: 02/25/2022 Analyzed: 02/27/2022			
Aroclor 1016	0.198	0.0166	mg/kg wet	0.332		59.5	40-140			30	
Aroclor 1260	0.193	0.0166	"	0.332		58.0	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0402*		*"*	*0.0664*		*60.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0299*		*"*	*0.0664*		*45.0*	*30-150*				
Matrix Spike (BB22636-MS2) Matrix Spike *Source sample: 22B1165-06 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Aroclor 1016	0.123	0.0179	mg/kg dry	0.358	ND	34.4	40-140	Low Bias		30	
Aroclor 1260	0.190	0.0179	"	0.358	ND	52.9	40-140			30	
Surrogate: Tetrachloro-m-xylene	*0.0477*		*"*	*0.0717*		*66.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0330*		*"*	*0.0717*		*46.0*	*30-150*				
Matrix Spike Dup (BB22636-M Matrix Spike Dup *Source sample: 22B1165-06 (Matrix Spike Dup)								Prepared: 02/25/2022 Analyzed: 02/28/2022			
Aroclor 1016	0.0658	0.0179	mg/kg dry	0.358	ND	18.4	40-140	Low Bias	60.9	30	Non-dir.
Aroclor 1260	0.116	0.0179	"	0.358	ND	32.3	40-140	Low Bias	48.4	30	Non-dir.
Surrogate: Tetrachloro-m-xylene	*0.0358*		*"*	*0.0717*		*50.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0226*		*"*	*0.0717*		*31.5*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y2B2808 - BB22477											
Aroclor Reference (Y2B2808- Aroclor Reference										Prepared & Analyzed: 02/27/2022	
Surrogate: Tetrachloro-m-xylene	*0.207*		*ug/mL*	*0.200*		*104*					
Surrogate: Decachlorobiphenyl	*0.193*		*"*	*0.200*		*96.5*					
Batch Y2C0114 - BB22477											
Aroclor Reference (Y2C0114- Aroclor Reference										Prepared & Analyzed: 02/28/2022	
Surrogate: Tetrachloro-m-xylene	*0.199*		*ug/mL*	*0.200*		*99.5*					
Surrogate: Decachlorobiphenyl	*0.179*		*"*	*0.200*		*89.5*					

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22608 - EPA 3550C/8151A											
Blank (BB22608-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.451*		*"*	*0.417*		*108*	*21-150*				
LCS (BB22608-BS1) LCS									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.103	0.0200	mg/kg wet	0.133		77.5	10-120				
2,4,5-TP (Silvex)	0.117	0.0200	"	0.133		87.5	10-120				
2,4-D	0.126	0.0200	"	0.133		94.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.435*		*"*	*0.417*		*104*	*21-150*				
Matrix Spike (BB22608-MS1) Matrix Spike *Source sample: 22B1165-08 (Matrix Spike)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.0916	0.0224	mg/kg dry	0.150	ND	61.3	10-120				
2,4,5-TP (Silvex)	0.0851	0.0224	"	0.150	ND	56.9	10-120				
2,4-D	0.101	0.0224	"	0.150	ND	67.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0804*		*"*	*0.467*		*17.2*	*21-150*				
Matrix Spike Dup (BB22608-M Matrix Spike Dup *Source sample: 22B1165-08 (Matrix Spike Dup)									Prepared: 02/25/2022 Analyzed: 02/28/2022		
2,4,5-T	0.0720	0.0224	mg/kg dry	0.150	ND	48.1	10-120		24.0	35	
2,4,5-TP (Silvex)	0.0580	0.0224	"	0.150	ND	38.8	10-120		37.9	35	Non-dir.
2,4-D	0.0767	0.0224	"	0.150	ND	51.3	10-118		27.4	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.0383*		*"*	*0.467*		*8.20*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Blank (BB22665-BLK1) Blank									Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Lead	ND	0.500	"								
Magnesium	6.95	5.00	"								
Manganese	0.519	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BB22665-DUP1) Duplicate	*Source sample: 22B1165-08 (Duplicate)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	10100	5.61	mg/kg dry		11700				14.9	35	
Antimony	ND	2.80	"		3.05					35	
Arsenic	ND	1.68	"		ND					35	
Barium	61.0	2.80	"		57.9				5.08	35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	ND	0.337	"		ND					35	
Calcium	18900	5.61	"		10800				54.8	35	Non-dir.
Chromium	19.7	0.561	"		21.8				10.2	35	
Cobalt	7.57	0.449	"		11.5				41.1	35	Non-dir.
Copper	25.5	2.24	"		33.6				27.4	35	
Iron	16500	28.0	"		19000				14.3	35	
Lead	75.6	0.561	"		41.9				57.3	35	Non-dir.
Lead	75.6	0.561	"		41.9				57.3	35	Non-dir.
Magnesium	3840	5.61	"		6490				51.3	35	Non-dir.
Manganese	337	0.561	"		325				3.70	35	
Nickel	17.8	1.12	"		26.9				40.9	35	Non-dir.
Potassium	1180	5.61	"		1170				1.14	35	
Selenium	ND	2.80	"		ND					35	
Silver	ND	0.561	"		ND					35	
Sodium	906	56.1	"		1130				22.2	35	
Thallium	ND	2.80	"		ND					35	
Vanadium	46.3	1.12	"		45.0				2.85	35	
Zinc	55.2	2.80	"		56.1				1.65	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Matrix Spike (BB22665-MS1) Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	10700	5.61	mg/kg dry	224	11700	NR	75-125	Low Bias			
Antimony	12.5	2.80	"	28.0	3.05	33.7	75-125	Low Bias			
Arsenic	226	1.68	"	224	ND	101	75-125				
Barium	302	2.80	"	224	57.9	109	75-125				
Beryllium	4.84	0.056	"	5.61	ND	86.2	75-125				
Cadmium	5.89	0.337	"	5.61	ND	105	75-125				
Calcium	7990	5.61	"	112	10800	NR	75-125	Low Bias			
Chromium	44.6	0.561	"	22.4	21.8	102	75-125				
Cobalt	68.9	0.449	"	56.1	11.5	102	75-125				
Copper	58.6	2.24	"	28.0	33.6	89.2	75-125				
Iron	16000	28.0	"	112	19000	NR	75-125	Low Bias			
Lead	106	0.561	"	56.1	41.9	114	75-125				
Lead	106	0.561	"	56.1	41.9	114	75-125				
Magnesium	3730	5.61	"	112	6490	NR	75-125	Low Bias			
Manganese	355	0.561	"	56.1	325	53.6	75-125	Low Bias			
Nickel	78.1	1.12	"	56.1	26.9	91.2	75-125				
Potassium	1290	5.61	"	112	1170	104	75-125				
Selenium	167	2.80	"	224	ND	74.4	75-125	Low Bias			
Silver	5.95	0.561	"	5.61	ND	106	75-125				
Sodium	1010	56.1	"	112	1130	NR	75-125	Low Bias			
Thallium	218	2.80	"	224	ND	97.4	75-125				
Vanadium	86.9	1.12	"	56.1	45.0	74.7	75-125	Low Bias			
Zinc	109	2.80	"	56.1	56.1	93.4	75-125				
Post Spike (BB22665-PS1) Post Spike	*Source sample: 22B1165-08 (Post Spike)								Prepared: 02/25/2022 Analyzed: 02/28/2022		
Aluminum	107		ug/mL	2.00	105	124	75-125				
Antimony	0.317		"	0.250	0.027	116	75-125				
Arsenic	2.09		"	2.00	0.013	104	75-125				
Barium	2.76		"	2.00	0.516	112	75-125				
Beryllium	0.042		"	0.0500	-0.011	84.1	75-125				
Cadmium	0.054		"	0.0500	0.001	106	75-125				
Calcium	96.2		"	1.00	95.9	29.5	75-125	Low Bias			
Chromium	0.405		"	0.200	0.194	106	75-125				
Cobalt	0.656		"	0.500	0.102	111	75-125				
Copper	0.598		"	0.250	0.300	119	75-125				
Iron	167		"	1.00	169	NR	75-125	Low Bias			
Lead	0.919		"	0.500	0.374	109	75-125				
Lead	0.919		"	0.500	0.374	109	75-125				
Magnesium	57.9		"	1.00	57.8	5.53	75-125	Low Bias			
Manganese	3.42		"	0.500	2.90	105	75-125				
Nickel	0.811		"	0.500	0.240	114	75-125				
Potassium	11.8		"	1.00	10.4	134	75-125	High Bias			
Selenium	1.59		"	2.00	-0.200	79.5	75-125				
Silver	0.028		"	0.0500	-0.0007	55.4	75-125	Low Bias			
Sodium	11.2		"	1.00	10.1	114	75-125				
Thallium	2.00		"	2.00	-0.036	100	75-125				
Vanadium	0.935		"	0.500	0.401	107	75-125				
Zinc	1.00		"	0.500	0.500	101	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22665 - EPA 3050B											
Reference (BB22665-SRM1) Reference									Prepared: 02/25/2022 Analyzed: 03/01/2022		
Aluminum	10200	5.00	mg/kg wet	8130		125	49.9-150.1				
Antimony	76.4	2.50	"	134		57.0	19.3-250				
Arsenic	164	1.50	"	156		105	69.9-130.1				
Barium	277	2.50	"	239		116	74.9-124.7				
Beryllium	182	0.050	"	169		108	75.1-125.4				
Cadmium	143	0.300	"	137		104	75.2-124.8				
Calcium	5300	5.00	"	4760		111	72.7-127.5				
Chromium	164	0.500	"	154		107	70.1-129.9				
Cobalt	134	0.400	"	121		110	75-124.8				
Copper	65.0	2.00	"	54.9		118	74.9-125				
Iron	16400	25.0	"	14100		117	34.9-164.5				
Lead	145	0.500	"	130		111	71.8-128.5				
Lead	145	0.500	"	130		111	71.8-128.5				
Magnesium	2740	5.00	"	2320		118	62.1-137.9				
Manganese	309	0.500	"	269		115	74-126.4				
Nickel	69.4	1.00	"	53.9		129	69.9-129.9				
Potassium	2380	5.00	"	2020		118	58.9-141.1				
Selenium	126	2.50	"	167		75.3	67.7-132.3				
Silver	34.5	0.500	"	33.6		103	68.5-131.3				
Sodium	155	50.0	"	133		117	35-165.4				
Thallium	110	2.50	"	112		97.9	67.9-131.3				
Vanadium	68.0	1.00	"	62.6		109	59.1-141.1				
Zinc	170	2.50	"	158		108	70.3-129.7				
Batch BB22762 - EPA 3050B											
Blank (BB22762-BLK1) Blank									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	ND	1.00	mg/kg wet								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22762 - EPA 3050B											
Duplicate (BB22762-DUP1) Duplicate	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	76.4	1.10	mg/kg dry		67.2				12.8	35	
Matrix Spike (BB22762-MS1) Matrix Spike	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	122	1.10	mg/kg dry	55.2	67.2	99.0	75-125				
Post Spike (BB22762-PS1) Post Spike	*Source sample: 22B1156-02 (EP33_5.0)								Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	1.16		mg/L	0.500	0.609	110	75-125				
Reference (BB22762-SRM1) Reference									Prepared: 02/28/2022 Analyzed: 03/01/2022		
Nickel	72.1	1.00	mg/kg wet	53.9		134	69.9-129.9	High Bias			

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22699 - EPA 7473 soil												
Blank (BB22699-BLK1)	Blank								Prepared & Analyzed: 02/28/2022			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BB22699-DUP1)	Duplicate	*Source sample: 22B0569-45 (Duplicate)							Prepared & Analyzed: 02/28/2022			
Mercury		0.274	0.0355	mg/kg dry		0.329				18.1	35	
Matrix Spike (BB22699-MS1)	Matrix Spike	*Source sample: 22B0569-45 (Matrix Spike)							Prepared & Analyzed: 02/28/2022			
Mercury		0.794		mg/kg	0.500	0.278	103	75-125				
Reference (BB22699-SRM1)	Reference								Prepared & Analyzed: 02/28/2022			
Mercury		27.800		mg/kg	27.2		102	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte		Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22629 - EPA SW846-3060												
Blank (BB22629-BLK1)	Blank								Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BB22629-DUP1)	Duplicate	*Source sample: 22B1165-08 (Duplicate)							Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		ND	0.561	mg/kg dry		ND					35	
Matrix Spike (BB22629-MS1)	Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)							Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		25.3	0.561	mg/kg dry	22.4	ND	113	75-125				
Reference (BB22629-SRM1)	Reference								Prepared & Analyzed: 02/25/2022			
Chromium, Hexavalent		111		mg/L	109		102	30-169.7				
Batch BB22643 - Analysis Preparation Soil												
Blank (BB22643-BLK1)	Blank								Prepared & Analyzed: 02/25/2022			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BB22643-DUP1)	Duplicate	*Source sample: 22B1165-08 (Duplicate)							Prepared & Analyzed: 02/25/2022			
Cyanide, total		ND	0.561	mg/kg dry		ND					15	
Matrix Spike (BB22643-MS1)	Matrix Spike	*Source sample: 22B1165-08 (Matrix Spike)							Prepared & Analyzed: 02/25/2022			
Cyanide, total		8.28	0.561	mg/kg dry	11.2	ND	73.8	79.6-107	Low Bias			
Reference (BB22643-SRM1)	Reference								Prepared & Analyzed: 02/25/2022			
Cyanide, total		94.9		ug/mL	86.8		109	41.82-157.83				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB22726 - % Solids Prep											
Duplicate (BB22726-DUP1) Duplicate	*Source sample: 22B1156-05 (EP53_4.0)							Prepared & Analyzed: 02/28/2022			
% Solids	89.9	0.100	%		89.5				0.381	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B1156-05	EP53_4.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

M-SRD1	The serial dilution for this element was outside control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported

RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Revision Description: This report has been revised to include additional analyses.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B1156

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 5th Floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Senzer	Contact:	Contact:
E-mail: Ksenzer@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
~~EP22-5.5~~	~~2/24/22 1555~~	~~2/24/22 1355~~	~~Benzo(a)anthracene, Benzo(a)pyrene, chrysene, Indeno(1,2,3-cd)pyrene~~	
EP30_5.5	S	2/24/22 1345	Indeno(1,2,3-cd)pyrene	
EP33-5.0	S	2/24/22 1400	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, chrysene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Nickel	
EP35_4.5	S	2/24/22 1415	Lead and Mercury	
SB107_SW-W_3.0	S	2/24/22 1445	Total lead	

Comments: Please include lesmail@langan.com and maronica@langan.com on all correspondence

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Jessica Babb / Langan	2/24/22 1600	Client-NY York-Labs	2/24/22 1600	Client-NY York-Labs	2/24/22
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[illegible]	2/24/22 17	[illegible]	2/24/22 1945		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlocker	2/24/22 1945 / 1.4 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22B1156

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th floor New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Serno	Contact:	Contact:
E-mail: Kserno@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ⋮ Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WCIIA_BASE_4.0	S	2/24/22 1430	TCL/Part 375 VOCs and SVOCs, PCBs, pesticides, herbicides, metals including cyanide, hex + trivalent chromium, PFAS, 1,4-dioxane	* Please do not report lead result *
FB01_PFAS_02242022	other AQ EA	2/24/22 1500	PFAS	

Comments: Please include lesmile@langan.com and maronica@langan.com on all correspondance

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[illegible] Barbio / Langan	2/24/22 1600	Mal / N York Fedex	2/24/22 1600	Mal · N York Fedex	2/24/22
[illegible]	2/24/22 17:—	[illegible]	2/24/22 1945	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[illegible]	2/24/22 1945 / 1.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0177

Report Date: 02/10/2022
Client Project ID: 170610601
York Project (SDG) No.: 22B0177

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 03, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22B0177-01	UST1_SW_W_3.5	Soil	02/03/2022	02/03/2022
22B0177-02	UST1_SW_E_3.5	Soil	02/03/2022	02/03/2022
22B0177-03	UST1_SW_S_3.5	Soil	02/03/2022	02/03/2022
22B0177-04	UST1_BOTTOM_3.5	Soil	02/03/2022	02/03/2022

General Notes for York Project (SDG) No.: 22B0177

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 02/10/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST1_SW_W_3.5 **York Sample ID:** 22B0177-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:00 pm	02/03/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.022**		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.0098**		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.011**		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.015**		mg/kg dry	0.0056	0.011	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.026**		mg/kg dry	0.0084	0.017	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.3 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_W_3.5 **York Sample ID:** 22B0177-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:00 pm	02/03/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0547**	J	mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.275**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.317**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.219**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.198**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.232**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.282**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.534**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.163**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.252**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.518**		mg/kg dry	0.0544	0.109	2	EPA 8270D	02/04/2022 13:28	02/09/2022 10:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*69.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*74.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_W_3.5 **York Sample ID:** 22B0177-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:00 pm	02/03/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.6**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST1_SW_E_3.5 **York Sample ID:** 22B0177-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:10 pm	02/03/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:27	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.1 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_E_3.5 **York Sample ID:** 22B0177-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:10 pm	02/03/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0820**	J	mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.0877**	J	mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0520**	J	mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0625**	J	mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.0861**	J	mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.110**		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.153**		mg/kg dry	0.0509	0.102	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:14	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*38.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*41.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*43.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_E_3.5 **York Sample ID:** 22B0177-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:10 pm	02/03/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.7**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST1_SW_S_3.5 **York Sample ID:** 22B0177-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:30 pm	02/03/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0094	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	02/04/2022 06:07	02/04/2022 18:52	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_S_3.5 **York Sample ID:** 22B0177-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:30 pm	02/03/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.0595**	J	mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.0896**	J	mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.0863**	J	mg/kg dry	0.0525	0.105	2	EPA 8270D	02/04/2022 13:28	02/09/2022 12:45	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*84.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.0 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_SW_S_3.5 **York Sample ID:** 22B0177-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:30 pm	02/03/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**79.3**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST1_BOTTOM_3.5 **York Sample ID:** 22B0177-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:40 pm	02/03/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.018**		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.0077**	J	mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0041	0.016	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.0075**	J	mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.010**	J	mg/kg dry	0.0081	0.016	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.018**	J	mg/kg dry	0.012	0.024	1	EPA 8260C	02/04/2022 06:07	02/04/2022 19:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*95.8 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_BOTTOM_3.5 **York Sample ID:** 22B0177-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:40 pm	02/03/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.321**	J	mg/kg dry	0.292	0.582	2	EPA 8270D	02/04/2022 13:28	02/09/2022 13:16	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*84.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*83.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.2 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST1_BOTTOM_3.5 **York Sample ID:** 22B0177-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22B0177	170610601	Soil	February 3, 2022 3:40 pm	02/03/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**77.9**		%	0.100	1	SM 2540G	02/04/2022 12:02	02/04/2022 16:07	MEW
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BB21417 **Preparation Method:** % Solids Prep **Prepared By:** MEW

YORK Sample ID	Client Sample ID	Preparation Date
22B0177-01	UST1_SW_W_3.5	02/04/22
22B0177-02	UST1_SW_E_3.5	02/04/22
22B0177-03	UST1_SW_S_3.5	02/04/22
22B0177-04	UST1_BOTTOM_3.5	02/04/22
BB21417-DUP1	Duplicate	02/04/22

Batch ID: BB21428 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22B0177-01	UST1_SW_W_3.5	02/04/22
22B0177-02	UST1_SW_E_3.5	02/04/22
22B0177-03	UST1_SW_S_3.5	02/04/22
22B0177-04	UST1_BOTTOM_3.5	02/04/22

Batch ID: BB21443 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22B0177-01	UST1_SW_W_3.5	02/04/22
22B0177-02	UST1_SW_E_3.5	02/04/22
22B0177-03	UST1_SW_S_3.5	02/04/22
22B0177-04	UST1_BOTTOM_3.5	02/04/22
BB21443-BLK1	Blank	02/04/22
BB21443-BLK2	Blank	02/04/22
BB21443-BLK3	Blank	02/04/22
BB21443-BS1	LCS	02/04/22
BB21443-BSD1	LCS Dup	02/04/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK1) Blank									Prepared & Analyzed: 02/04/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				
Blank (BB21443-BLK2) Blank									Prepared & Analyzed: 02/04/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*ug/L*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.4*		*"*	*50.0*		*96.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
Blank (BB21443-BLK3) HB-22B0177/22B0178								Prepared & Analyzed: 02/04/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
LCS (BB21443-BS1) LCS								Prepared & Analyzed: 02/04/2022			
1,2,4-Trimethylbenzene	45.6		ug/L	50.0		91.1	84-125			30	
1,3,5-Trimethylbenzene	45.1		"	50.0		90.3	82-126			30	
Benzene	46.8		"	50.0		93.6	70-130			30	
Ethyl Benzene	46.0		"	50.0		92.0	70-130			30	
Isopropylbenzene	47.3		"	50.0		94.6	70-130			30	
Methyl tert-butyl ether (MTBE)	40.9		"	50.0		81.8	70-130			30	
Naphthalene	47.1		"	50.0		94.3	86-141			30	
n-Butylbenzene	45.3		"	50.0		90.6	80-130			30	
n-Propylbenzene	51.4		"	50.0		103	74-136			30	
o-Xylene	46.5		"	50.0		93.0	70-130			30	
p- & m- Xylenes	91.9		"	100		91.9	70-130			30	
p-Isopropyltoluene	47.1		"	50.0		94.2	85-125			30	
sec-Butylbenzene	45.8		"	50.0		91.6	83-125			30	
tert-Butylbenzene	40.3		"	50.0		80.6	80-127			30	
Toluene	45.1		"	50.0		90.1	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.1*		*"*	*50.0*		*96.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21443 - EPA 5035A											
LCS Dup (BB21443-BSD1) LCS Dup								Prepared & Analyzed: 02/04/2022			
1,2,4-Trimethylbenzene	45.6		ug/L	50.0		91.1	84-125		0.0439	30	
1,3,5-Trimethylbenzene	44.9		"	50.0		89.8	82-126		0.555	30	
Benzene	49.0		"	50.0		98.0	70-130		4.59	30	
Ethyl Benzene	45.9		"	50.0		91.8	70-130		0.283	30	
Isopropylbenzene	47.0		"	50.0		94.0	70-130		0.657	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.8	70-130		14.7	30	
Naphthalene	48.4		"	50.0		96.9	86-141		2.76	30	
n-Butylbenzene	44.9		"	50.0		89.8	80-130		0.843	30	
n-Propylbenzene	50.9		"	50.0		102	74-136		0.900	30	
o-Xylene	46.2		"	50.0		92.3	70-130		0.691	30	
p- & m- Xylenes	91.0		"	100		91.0	70-130		1.01	30	
p-Isopropyltoluene	46.4		"	50.0		92.8	85-125		1.48	30	
sec-Butylbenzene	45.0		"	50.0		89.9	83-125		1.85	30	
tert-Butylbenzene	40.0		"	50.0		80.1	80-127		0.623	30	
Toluene	45.0		"	50.0		90.0	70-130		0.111	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.1*	*76-130*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB21417 - % Solids Prep											
Duplicate (BB21417-DUP1) Duplicate	*Source sample: 22B0180-03 (Duplicate)							Prepared & Analyzed: 02/04/2022			
% Solids	78.0	0.100	%		75.2				3.61	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22B0177-01	UST1_SW_W_3.5	40mL Vial with Stir Bar-Cool 4° C
22B0177-02	UST1_SW_E_3.5	40mL Vial with Stir Bar-Cool 4° C
22B0177-03	UST1_SW_S_3.5	40mL Vial with Stir Bar-Cool 4° C
22B0177-04	UST1_BOTTOM_3.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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YORK — Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 220177

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: Same	Company: Same	170610601	RUSH - Next Day
Address: 360 West 31st St 8th Floor, New York, NY	Address:	Address:	YOUR Project Name: 475 Bay St	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: KSeman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)
Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
UST1-SW-W-3.5 *	S	2/3/22 1500	CP-51 List + SVOCs, VOCs	1x8oz / TerraCore
UST1-SW-E-3.5		1510		
UST1-SW-S-3.5		1530		
UST1-BOTTOM-3.5		1540		

Comments: please email lesmail@langan.com & maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[signature] / Langan	2/3/22 16:54	Andrew S York	2/3/22 16:39	Andrew S York	2/3/22
2. Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time
[signature]	2/2/22 1230	[signature]	2/3/22 2018		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in Lab by	Date/Time / Temperature
				KBlocki	2/3/22 2018 / 2.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 04/28/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1244

Report Date: 04/28/2022
Client Project ID: 170610601
York Project (SDG) No.: 22D1244

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 26, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D1244-01	UST7_SW_N_3.5	Soil	04/26/2022	04/26/2022
22D1244-02	UST7_SW_E_3.5	Soil	04/26/2022	04/26/2022
22D1244-03	UST7_SW_S_3.5	Soil	04/26/2022	04/26/2022
22D1244-04	UST7_SW_W_3.5	Soil	04/26/2022	04/26/2022
22D1244-05	UST7_BOTTOM_3.5	Soil	04/26/2022	04/26/2022

General Notes for York Project (SDG) No.: 22D1244

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 04/28/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST7_SW_N_3.5 **York Sample ID:** 22D1244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:10 pm	04/26/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.029**		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.023**		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.0030**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.0029**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.013**		mg/kg dry	0.0029	0.012	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.0072**		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.0035**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.022**		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.017**		mg/kg dry	0.0058	0.012	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.0051**	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.0058**		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.039**		mg/kg dry	0.0087	0.017	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_N_3.5 **York Sample ID:** 22D1244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:10 pm	04/26/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.100**		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.0763**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0686**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0540**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0663**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.0879**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.150**		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.0540**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0532**	J	mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0987**		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.203**		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.174**		mg/kg dry	0.0483	0.0965	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*56.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.2 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*48.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_N_3.5 **York Sample ID:** 22D1244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:10 pm	04/26/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.8**		%	0.100	1	SM 2540G	04/27/2022 09:27	04/27/2022 13:26	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST7_SW_E_3.5 **York Sample ID:** 22D1244-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:15 pm	04/26/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**3.3**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**5.0**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.96**		mg/kg dry	0.22	0.88	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**2.1**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**2.4**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1.1**		mg/kg dry	0.44	0.88	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**1.3**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**1.3**		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**3.4**		mg/kg dry	0.66	1.3	100	EPA 8260C	04/27/2022 06:18	04/27/2022 11:40	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.6 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.4 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_E_3.5 **York Sample ID:** 22D1244-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:15 pm	04/26/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.636**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.581**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.978**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.857**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.752**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.580**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.654**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.931**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.134**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.03**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**1.37**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.674**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**4.99**		mg/kg dry	0.120	0.240	5	EPA 8270D	04/27/2022 07:27	04/28/2022 10:23	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.90**		mg/kg dry	0.0481	0.0960	2	EPA 8270D	04/27/2022 07:27	04/27/2022 17:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*105 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.2 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*56.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_E_3.5 **York Sample ID:** 22D1244-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:15 pm	04/26/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.7		%	0.100	1	SM 2540G	04/27/2022 09:27	04/27/2022 13:26	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST7_SW_S_3.5 **York Sample ID:** 22D1244-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:20 pm	04/26/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.034**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**0.055**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.0056**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.019**		mg/kg dry	0.0024	0.0096	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.022**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.0056**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.055**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.015**		mg/kg dry	0.0048	0.0096	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.013**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.017**		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.070**		mg/kg dry	0.0072	0.014	1	EPA 8260C	04/28/2022 06:16	04/28/2022 11:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*89.3 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_S_3.5 **York Sample ID:** 22D1244-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:20 pm	04/26/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0471**	J	mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.166**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.149**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.132**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.105**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.124**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.150**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.248**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.0613**	J	mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.132**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.229**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.294**		mg/kg dry	0.0468	0.0935	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.0 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*49.7 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_S_3.5 **York Sample ID:** 22D1244-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:20 pm	04/26/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.1**		%	0.100	1	SM 2540G	04/27/2022 09:27	04/27/2022 13:26	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST7_SW_W_3.5 **York Sample ID:** 22D1244-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:30 pm	04/26/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**6.0**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**2.6**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.27**	J	mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.36**	J	mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	**Naphthalene**	**4.7**		mg/kg dry	0.26	1.1	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**1.4**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.53**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**2.1**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**2.7**		mg/kg dry	0.53	1.1	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.71**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.92**		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.29**	J	mg/kg dry	0.26	0.53	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**4.8**		mg/kg dry	0.79	1.6	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:31	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.4 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_W_3.5 **York Sample ID:** 22D1244-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:30 pm	04/26/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.183**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0674**	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.300**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.528**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.414**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.363**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.234**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.324**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.497**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0719**	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.889**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.190**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.282**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.137**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.17**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.07**		mg/kg dry	0.0470	0.0937	2	EPA 8270D	04/27/2022 07:27	04/27/2022 18:49	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*61.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.3 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_SW_W_3.5 **York Sample ID:** 22D1244-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:30 pm	04/26/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.8		%	0.100	1	SM 2540G	04/27/2022 09:27	04/27/2022 13:26	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST7_BOTTOM_3.5 **York Sample ID:** 22D1244-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:00 pm	04/26/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**3.8**		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**1.4**		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	**Ethyl Benzene**	**0.24**	J	mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.21**	J	mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	**Naphthalene**	**3.6**		mg/kg dry	0.20	0.79	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.79**		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.36**	J	mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**1.2**		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**1.8**		mg/kg dry	0.40	0.79	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.38**	J	mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.51**		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.29**	J	mg/kg dry	0.20	0.40	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**3.0**		mg/kg dry	0.59	1.2	100	EPA 8260C	04/27/2022 06:18	04/27/2022 12:57	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_BOTTOM_3.5 **York Sample ID:** 22D1244-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:00 pm	04/26/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0795**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.0993**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**0.0986**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.0802**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.0680**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.0734**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.102**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.163**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.374**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0726**	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**1.10**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.08**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.310**		mg/kg dry	0.0479	0.0956	2	EPA 8270D	04/27/2022 07:27	04/27/2022 19:19	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*71.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*64.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST7_BOTTOM_3.5 **York Sample ID:** 22D1244-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1244	170610601	Soil	April 26, 2022 2:00 pm	04/26/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.8		%	0.100	1	SM 2540G	04/27/2022 09:27	04/27/2022 13:26	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BD21595 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22D1244-01	UST7_SW_N_3.5	04/27/22
22D1244-02	UST7_SW_E_3.5	04/27/22
22D1244-02RE1	UST7_SW_E_3.5	04/27/22
22D1244-03	UST7_SW_S_3.5	04/27/22
22D1244-04	UST7_SW_W_3.5	04/27/22
22D1244-05	UST7_BOTTOM_3.5	04/27/22
BD21595-BLK1	Blank	04/27/22
BD21595-BS1	LCS	04/27/22

Batch ID: BD21603 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22D1244-02	UST7_SW_E_3.5	04/27/22
22D1244-04	UST7_SW_W_3.5	04/27/22
22D1244-05	UST7_BOTTOM_3.5	04/27/22
BD21603-BLK1	Blank	04/27/22
BD21603-BLK2	Blank	04/27/22
BD21603-BLK3	Blank	04/27/22
BD21603-BLK4	Blank	04/27/22
BD21603-BS1	LCS	04/27/22
BD21603-BSD1	LCS Dup	04/27/22

Batch ID: BD21612 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22D1244-01	UST7_SW_N_3.5	04/27/22
22D1244-02	UST7_SW_E_3.5	04/27/22
22D1244-03	UST7_SW_S_3.5	04/27/22
22D1244-04	UST7_SW_W_3.5	04/27/22
22D1244-05	UST7_BOTTOM_3.5	04/27/22
BD21612-DUP1	Duplicate	04/27/22

Batch ID: BD21686 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22D1244-01	UST7_SW_N_3.5	04/28/22
22D1244-03	UST7_SW_S_3.5	04/28/22
BD21686-BLK1	Blank	04/28/22
BD21686-BLK2	Blank	04/28/22
BD21686-BS1	LCS	04/28/22
BD21686-BSD1	LCS Dup	04/28/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21603 - EPA 5035A											
Blank (BD21603-BLK1) Blank									Prepared & Analyzed: 04/27/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.1*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.3*		*"*	*50.0*		*94.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.2*		*"*	*50.0*		*108*	*76-130*				
Blank (BD21603-BLK2) Blank									Prepared & Analyzed: 04/27/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.0*		*"*	*50.0*		*95.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.2*		*"*	*50.0*		*106*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21603 - EPA 5035A											
Blank (BD21603-BLK3) Blank									Prepared & Analyzed: 04/27/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.2*		*"*	*50.0*		*94.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.2*		*"*	*50.0*		*108*	*76-130*				
Blank (BD21603-BLK4) Blank									Prepared & Analyzed: 04/27/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*ug/L*	*50.0*		*98.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.4*		*"*	*50.0*		*94.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21603 - EPA 5035A											
LCS (BD21603-BS1) LCS							Prepared & Analyzed: 04/27/2022				
1,2,4-Trimethylbenzene	49.0		ug/L	50.0		98.0	84-125			30	
1,3,5-Trimethylbenzene	47.8		"	50.0		95.6	82-126			30	
Benzene	50.1		"	50.0		100	70-130			30	
Ethyl Benzene	49.0		"	50.0		98.1	70-130			30	
Isopropylbenzene	50.2		"	50.0		100	70-130			30	
Methyl tert-butyl ether (MTBE)	48.4		"	50.0		96.7	70-130			30	
Naphthalene	46.6		"	50.0		93.2	86-141			30	
n-Butylbenzene	47.1		"	50.0		94.3	80-130			30	
n-Propylbenzene	48.7		"	50.0		97.4	74-136			30	
o-Xylene	48.6		"	50.0		97.2	70-130			30	
p- & m- Xylenes	97.6		"	100		97.6	70-130			30	
p-Isopropyltoluene	49.0		"	50.0		97.9	85-125			30	
sec-Butylbenzene	48.8		"	50.0		97.7	83-125			30	
tert-Butylbenzene	42.6		"	50.0		85.2	80-127			30	
Toluene	47.4		"	50.0		94.7	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.7*		*"*	*50.0*		*95.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.6*		*"*	*50.0*		*101*	*76-130*				
LCS Dup (BD21603-BSD1) LCS Dup							Prepared & Analyzed: 04/27/2022				
1,2,4-Trimethylbenzene	49.4		ug/L	50.0		98.8	84-125		0.813	30	
1,3,5-Trimethylbenzene	48.4		"	50.0		96.7	82-126		1.19	30	
Benzene	49.5		"	50.0		99.0	70-130		1.20	30	
Ethyl Benzene	48.0		"	50.0		96.1	70-130		2.06	30	
Isopropylbenzene	50.8		"	50.0		102	70-130		1.15	30	
Methyl tert-butyl ether (MTBE)	47.2		"	50.0		94.4	70-130		2.45	30	
Naphthalene	47.2		"	50.0		94.4	86-141		1.26	30	
n-Butylbenzene	46.7		"	50.0		93.4	80-130		0.959	30	
n-Propylbenzene	49.4		"	50.0		98.8	74-136		1.51	30	
o-Xylene	48.3		"	50.0		96.7	70-130		0.578	30	
p- & m- Xylenes	96.8		"	100		96.8	70-130		0.761	30	
p-Isopropyltoluene	49.5		"	50.0		99.1	85-125		1.18	30	
sec-Butylbenzene	49.0		"	50.0		98.1	83-125		0.368	30	
tert-Butylbenzene	43.5		"	50.0		87.1	80-127		2.23	30	
Toluene	46.6		"	50.0		93.2	70-130		1.64	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.5*		*"*	*50.0*		*95.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.3*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21686 - EPA 5035A											
Blank (BD21686-BLK1) Blank									Prepared & Analyzed: 04/28/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*ug/L*	*50.0*		*98.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.9*		*"*	*50.0*		*93.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				
Blank (BD21686-BLK2) Blank									Prepared & Analyzed: 04/28/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.4*		*"*	*50.0*		*94.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.2*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21686 - EPA 5035A											
LCS (BD21686-BS1) LCS							Prepared & Analyzed: 04/28/2022				
1,2,4-Trimethylbenzene	49.7		ug/L	50.0		99.4	84-125			30	
1,3,5-Trimethylbenzene	48.7		"	50.0		97.4	82-126			30	
Benzene	54.8		"	50.0		110	70-130			30	
Ethyl Benzene	50.0		"	50.0		100	70-130			30	
Isopropylbenzene	51.6		"	50.0		103	70-130			30	
Methyl tert-butyl ether (MTBE)	54.2		"	50.0		108	70-130			30	
Naphthalene	48.6		"	50.0		97.2	86-141			30	
n-Butylbenzene	47.6		"	50.0		95.2	80-130			30	
n-Propylbenzene	49.9		"	50.0		99.8	74-136			30	
o-Xylene	49.8		"	50.0		99.7	70-130			30	
p- & m- Xylenes	100		"	100		100	70-130			30	
p-Isopropyltoluene	49.9		"	50.0		99.8	85-125			30	
sec-Butylbenzene	49.8		"	50.0		99.6	83-125			30	
tert-Butylbenzene	43.9		"	50.0		87.7	80-127			30	
Toluene	48.7		"	50.0		97.4	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.2*		*"*	*50.0*		*94.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				
LCS Dup (BD21686-BSD1) LCS Dup							Prepared & Analyzed: 04/28/2022				
1,2,4-Trimethylbenzene	55.4		ug/L	50.0		111	84-125		10.9	30	
1,3,5-Trimethylbenzene	54.4		"	50.0		109	82-126		10.9	30	
Benzene	61.4		"	50.0		123	70-130		11.5	30	
Ethyl Benzene	55.5		"	50.0		111	70-130		10.4	30	
Isopropylbenzene	58.0		"	50.0		116	70-130		11.6	30	
Methyl tert-butyl ether (MTBE)	61.6		"	50.0		123	70-130		12.9	30	
Naphthalene	54.1		"	50.0		108	86-141		10.7	30	
n-Butylbenzene	53.9		"	50.0		108	80-130		12.3	30	
n-Propylbenzene	55.2		"	50.0		110	74-136		10.0	30	
o-Xylene	56.0		"	50.0		112	70-130		11.6	30	
p- & m- Xylenes	112		"	100		112	70-130		11.1	30	
p-Isopropyltoluene	55.5		"	50.0		111	85-125		10.6	30	
sec-Butylbenzene	55.8		"	50.0		112	83-125		11.3	30	
tert-Butylbenzene	49.2		"	50.0		98.3	80-127		11.4	30	
Toluene	54.6		"	50.0		109	70-130		11.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.9*		*"*	*50.0*		*93.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21595 - EPA 3546 SVOA											
Blank (BD21595-BLK1) Blank								Prepared & Analyzed: 04/27/2022			
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.556*		*"*	*0.831*		*67.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.483*		*"*	*0.831*		*58.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.526*		*"*	*0.831*		*63.3*	*24-116*				
LCS (BD21595-BS1) LCS								Prepared & Analyzed: 04/27/2022			
Acenaphthene	0.584	0.0416	mg/kg wet	0.831		70.3	30-121				
Acenaphthylene	0.561	0.0416	"	0.831		67.6	30-115				
Anthracene	0.560	0.0416	"	0.831		67.5	34-118				
Benzo(a)anthracene	0.591	0.0416	"	0.831		71.2	32-122				
Benzo(a)pyrene	0.425	0.0416	"	0.831		51.2	29-133				
Benzo(b)fluoranthene	0.477	0.0416	"	0.831		57.4	25-133				
Benzo(g,h,i)perylene	0.466	0.0416	"	0.831		56.1	10-143				
Benzo(k)fluoranthene	0.452	0.0416	"	0.831		54.4	25-128				
Chrysene	0.540	0.0416	"	0.831		65.0	32-123				
Dibenzo(a,h)anthracene	0.493	0.0416	"	0.831		59.4	10-136				
Fluoranthene	0.547	0.0416	"	0.831		65.9	33-122				
Fluorene	0.574	0.0416	"	0.831		69.1	29-123				
Indeno(1,2,3-cd)pyrene	0.493	0.0416	"	0.831		59.4	10-135				
Naphthalene	0.518	0.0416	"	0.831		62.4	23-124				
Phenanthrene	0.538	0.0416	"	0.831		64.8	33-123				
Pyrene	0.622	0.0416	"	0.831		74.9	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.582*		*"*	*0.831*		*70.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.512*		*"*	*0.831*		*61.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.557*		*"*	*0.831*		*67.1*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21612 - % Solids Prep											
Duplicate (BD21612-DUP1) Duplicate	*Source sample: 22D1244-05 (UST7_BOTTOM_3.5)							Prepared & Analyzed: 04/27/2022			
% Solids	85.8	0.100	%		85.8				0.00804	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D1244-01	UST7_SW_N_3.5	40mL Vial with Stir Bar-Cool 4° C
22D1244-02	UST7_SW_E_3.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22D1244-03	UST7_SW_S_3.5	40mL Vial with Stir Bar-Cool 4° C
22D1244-04	UST7_SW_W_3.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22D1244-05	UST7_BOTTOM_3.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

J — Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Sample IDs were updated to state 3.5 by the client on 4/27/22.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22D1244

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st St 8th Floor, New York NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: KSemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170161060L

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day [X]
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York [X]; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
VSTZ_SW-N-7.5	S	4/26/22 1410	CP-51 List SVOCs, VOCs	
VSTZ_SW-S-7.5	"	1415		
VSTZ_SW-E-7.5	"	1420		
VSTZ_SW-W-7.5	"	1430		
DSTZ [redacted] Bottom-7.5	"	1400		

Comments: Please cc: lesmail@langan.com, maronica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Langan	4/26/22	1. Andrew S. York	4/26/22 1505
Ivan B	4/26/22 1546	3. Ivan B	4/26/22 2004
		2. Andrew S. York	4/26/22 1546
		4.	

Samples Received in LAB by: [signature] Date/Time: 4/26/22 2004 Temperature: 2.7 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 05/19/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0772

Report Date: 05/19/2022
Client Project ID: 170610601
York Project (SDG) No.: 22E0772

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 17, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

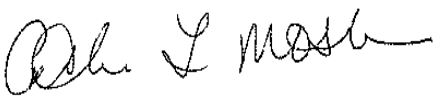
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22E0772-01	UST7_SW_E_2.5	Soil	05/17/2022	05/17/2022

General Notes for York Project (SDG) No.: 22E0772

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 05/19/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST7_SW_E_2.5 **York Sample ID:** 22E0772-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22E0772	170610601	Soil	May 17, 2022 10:15 am	05/17/2022

Semi-Volatiles, Select PAH (C)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0534	0.107	2	EPA 8270D	05/18/2022 06:52	05/19/2022 12:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.3 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.7 %*	*24-116*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.0**		%	0.100	1	SM 2540G	05/18/2022 07:48	05/18/2022 10:42	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BE20986 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MWS

YORK Sample ID	Client Sample ID	Preparation Date
22E0772-01	UST7_SW_E_2.5	05/18/22
BE20986-BLK1	Blank	05/18/22
BE20986-BS1	LCS	05/18/22
BE20986-MS1	Matrix Spike	05/18/22
BE20986-MSD1	Matrix Spike Dup	05/18/22

Batch ID: BE20988 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22E0772-01	UST7_SW_E_2.5	05/18/22
BE20988-DUP1	Duplicate	05/18/22

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20986 - EPA 3546 SVOA											
Blank (BE20986-BLK1) Blank									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Indeno(1,2,3-cd)pyrene	ND	0.0416	mg/kg wet								
Surrogate: SURR: Nitrobenzene-d5	*0.394*		"	*0.831*		*47.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.347*		"	*0.831*		*41.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.397*		"	*0.831*		*47.8*	*24-116*				
LCS (BE20986-BS1) LCS									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Indeno(1,2,3-cd)pyrene	0.552	0.0416	mg/kg wet	0.831		66.5	10-135				
Surrogate: SURR: Nitrobenzene-d5	*0.518*		"	*0.831*		*62.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.454*		"	*0.831*		*54.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.508*		"	*0.831*		*61.1*	*24-116*				
Matrix Spike (BE20986-MS1) Matrix Spike *Source sample: 22E0640-01 (Matrix Spike)									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Indeno(1,2,3-cd)pyrene	0.526	0.0913	mg/kg dry	0.912	ND	57.7	10-144				
Surrogate: SURR: Nitrobenzene-d5	*0.458*		"	*0.912*		*50.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.401*		"	*0.912*		*43.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.476*		"	*0.912*		*52.2*	*24-116*				
Matrix Spike Dup (BE20986-M Matrix Spike Dup *Source sample: 22E0640-01 (Matrix Spike Dup)									Prepared: 05/18/2022 Analyzed: 05/19/2022		
Indeno(1,2,3-cd)pyrene	0.513	0.0913	mg/kg dry	0.912	ND	56.2	10-144		2.53	30	
Surrogate: SURR: Nitrobenzene-d5	*0.444*		"	*0.912*		*48.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.398*		"	*0.912*		*43.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.460*		"	*0.912*		*50.5*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE20988 - % Solids Prep											
Duplicate (BE20988-DUP1) Duplicate	*Source sample: 22E0812-02 (Duplicate)								Prepared & Analyzed: 05/18/2022		
% Solids	91.7	0.100	%		91.5				0.249	20	

Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22E0772

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st Street 8th Floor, New York, NY	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Lemon	Contact:	Contact:
E-mail: klemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day ✓
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY-ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
BST7_SW_E_2.5	S	05/17/22 1015	Indeno (1,2,3-cd) pyrene	

Comments: Please include lesmail@langan.com & maronica@langan.com for all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	5/17/22	Mail N York Fedex	13:17 5/17/22	Mail N York Fedex	5/17/22 1827
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
L.B	5/17/22 1827	I.B	5/17/22 2130		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				A.Bloomer	5/17/22 2130 / 2.3 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 06/27/2022
Client Project ID: 170610601
York Project (SDG) No.: 22F1315

Report Date: 06/27/2022
Client Project ID: 170610601
York Project (SDG) No.: 22F1315

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 24, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

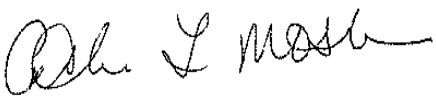
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22F1315-01	UST5-6_Bottom_0.0	Soil	06/24/2022	06/24/2022

General Notes for York Project (SDG) No.: 22F1315

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 06/27/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_Bottom_0.0 **York Sample ID:** 22F1315-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1315	170610601	Soil	June 24, 2022 2:41 pm	06/24/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	06/24/2022 15:49	06/24/2022 18:45	YR
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_Bottom_0.0 **York Sample ID:** 22F1315-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1315	170610601	Soil	June 24, 2022 2:41 pm	06/24/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D	06/27/2022 14:38	06/27/2022 16:46	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*28.5 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*39.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **UST5-6_Bottom_0.0** **York Sample ID:** **22F1315-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1315	170610601	Soil	June 24, 2022 2:41 pm	06/24/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.8**		%	0.100	1	SM 2540G	06/27/2022 07:54	06/27/2022 15:49	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BF21586 **Preparation Method:** EPA 5035A **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22F1315-01	UST5-6_Bottom_0.0	06/24/22
BF21586-BLK1	Blank	06/24/22
BF21586-BLK2	Blank	06/24/22
BF21586-BLK3	Blank	06/24/22
BF21586-BS1	LCS	06/24/22
BF21586-BSD1	LCS Dup	06/24/22

Batch ID: BF21606 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22F1315-01	UST5-6_Bottom_0.0	06/27/22
BF21606-DUP1	Duplicate	06/27/22

Batch ID: BF21642 **Preparation Method:** EPA 3550C **Prepared By:** KMB

YORK Sample ID	Client Sample ID	Preparation Date
22F1315-01	UST5-6_Bottom_0.0	06/27/22
BF21642-BLK1	Blank	06/27/22
BF21642-BS1	LCS	06/27/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21586 - EPA 5035A											
Blank (BF21586-BLK1) Blank								Prepared & Analyzed: 06/24/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.5*		*ug/L*	*50.0*		*89.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
Blank (BF21586-BLK2) Blank								Prepared & Analyzed: 06/24/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*45.2*		*ug/L*	*50.0*		*90.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21586 - EPA 5035A											
Blank (BF21586-BLK3) Blank								Prepared & Analyzed: 06/24/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.6*		*ug/L*	*50.0*		*89.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				
LCS (BF21586-BS1) LCS								Prepared & Analyzed: 06/24/2022			
1,2,4-Trimethylbenzene	50.0		ug/L	50.0		100	84-125			30	
1,3,5-Trimethylbenzene	49.7		"	50.0		99.4	82-126			30	
Benzene	45.9		"	50.0		91.9	70-130			30	
Ethyl Benzene	48.9		"	50.0		97.8	70-130			30	
Isopropylbenzene	53.0		"	50.0		106	70-130			30	
Methyl tert-butyl ether (MTBE)	37.1		"	50.0		74.2	70-130			30	
Naphthalene	51.3		"	50.0		103	86-141			30	
n-Butylbenzene	55.8		"	50.0		112	80-130			30	
n-Propylbenzene	53.0		"	50.0		106	74-136			30	
o-Xylene	49.2		"	50.0		98.3	70-130			30	
p- & m- Xylenes	97.5		"	100		97.5	70-130			30	
p-Isopropyltoluene	50.7		"	50.0		101	85-125			30	
sec-Butylbenzene	51.5		"	50.0		103	83-125			30	
tert-Butylbenzene	50.3		"	50.0		101	80-127			30	
Toluene	47.9		"	50.0		95.8	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.8*		*"*	*50.0*		*87.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21586 - EPA 5035A											
LCS Dup (BF21586-BSD1) LCS Dup								Prepared & Analyzed: 06/24/2022			
1,2,4-Trimethylbenzene	51.7		ug/L	50.0		103	84-125		3.34	30	
1,3,5-Trimethylbenzene	50.9		"	50.0		102	82-126		2.27	30	
Benzene	45.2		"	50.0		90.3	70-130		1.73	30	
Ethyl Benzene	49.6		"	50.0		99.1	70-130		1.30	30	
Isopropylbenzene	54.6		"	50.0		109	70-130		2.92	30	
Methyl tert-butyl ether (MTBE)	36.4		"	50.0		72.9	70-130		1.80	30	
Naphthalene	54.2		"	50.0		108	86-141		5.35	30	
n-Butylbenzene	58.1		"	50.0		116	80-130		3.97	30	
n-Propylbenzene	54.8		"	50.0		110	74-136		3.32	30	
o-Xylene	49.3		"	50.0		98.7	70-130		0.345	30	
p- & m- Xylenes	98.3		"	100		98.3	70-130		0.827	30	
p-Isopropyltoluene	52.9		"	50.0		106	85-125		4.29	30	
sec-Butylbenzene	53.1		"	50.0		106	83-125		3.17	30	
tert-Butylbenzene	52.3		"	50.0		105	80-127		3.92	30	
Toluene	48.2		"	50.0		96.4	70-130		0.666	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.5*		*"*	*50.0*		*87.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21642 - EPA 3550C											
Blank (BF21642-BLK1) Blank								Prepared & Analyzed: 06/27/2022			
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.624*		*"*	*0.831*		*75.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.529*		*"*	*0.831*		*63.7*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.619*		*"*	*0.831*		*74.6*	*24-116*				
LCS (BF21642-BS1) LCS								Prepared & Analyzed: 06/27/2022			
Acenaphthene	0.467	0.0416	mg/kg wet	0.831		56.2	30-121				
Acenaphthylene	0.420	0.0416	"	0.831		50.6	30-115				
Anthracene	0.471	0.0416	"	0.831		56.8	34-118				
Benzo(a)anthracene	0.468	0.0416	"	0.831		56.3	32-122				
Benzo(a)pyrene	0.418	0.0416	"	0.831		50.4	29-133				
Benzo(b)fluoranthene	0.485	0.0416	"	0.831		58.4	25-133				
Benzo(g,h,i)perylene	0.454	0.0416	"	0.831		54.6	10-143				
Benzo(k)fluoranthene	0.450	0.0416	"	0.831		54.2	25-128				
Chrysene	0.442	0.0416	"	0.831		53.2	32-123				
Dibenzo(a,h)anthracene	0.473	0.0416	"	0.831		57.0	10-136				
Fluoranthene	0.457	0.0416	"	0.831		55.0	33-122				
Fluorene	0.482	0.0416	"	0.831		58.0	29-123				
Indeno(1,2,3-cd)pyrene	0.458	0.0416	"	0.831		55.2	10-135				
Naphthalene	0.459	0.0416	"	0.831		55.2	23-124				
Phenanthrene	0.469	0.0416	"	0.831		56.4	33-123				
Pyrene	0.444	0.0416	"	0.831		53.4	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.502*		*"*	*0.831*		*60.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.437*		*"*	*0.831*		*52.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.524*		*"*	*0.831*		*63.0*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21606 - % Solids Prep											
Duplicate (BF21606-DUP1) Duplicate	*Source sample: 22F1328-01 (Duplicate)							Prepared & Analyzed: 06/27/2022			
% Solids	94.9	0.100	%		95.0				0.112	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22F1315-01	UST5-6_Bottom_0.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Per client request on 6/27/22, the reporting list for VOC and SVOC was updated to CP-51.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22F1315

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company:
Address: 360 W31st Street 8th Floor New York NY	Address: 360 W31st Street 8th Floor New York NY	Address:
Phone: 2124795400	Phone: 2124795400	Phone:
Contact: Kim Semon	Contact: Kim Semon	Contact:
E-mail: KSemon@Langan.com	E-mail: KSemon@Langan.com	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 476 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	✓
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
VST5/6_BOTTOM_0.0	S	6/24/22 14:41	Part 375/TCL VOC + SVOC	4 Vol's kept in Queens

Comments: CC: Lesmail@Langan.com, maronica@Langan.com on all correspondence

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Kevin Kennealy/Langan	6/24/22 1735		6/24/22 1735 4.9°C		6/27/22 1225
Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time
North York Lab	6/25/22 1825	North York Lab	6/27/22 1400		
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					6/27/22 1400 3.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/06/2022
Client Project ID: 170610601
York Project (SDG) No.: 22F1533

Report Date: 07/06/2022
Client Project ID: 170610601
York Project (SDG) No.: 22F1533

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 29, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

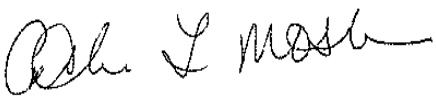
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22F1533-01	UST 5-6_SW_E_0.0	Soil	06/29/2022	06/29/2022

General Notes for York Project (SDG) No.: 22F1533

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/06/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST 5-6_SW_E_0.0 **York Sample ID:** 22F1533-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1533	170610601	Soil	June 29, 2022 3:00 pm	06/29/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0093	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	06/30/2022 06:32	06/30/2022 13:21	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST 5-6_SW_E_0.0 **York Sample ID:** 22F1533-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1533	170610601	Soil	June 29, 2022 3:00 pm	06/29/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0484	0.0966	2	EPA 8270D	07/05/2022 13:31	07/06/2022 10:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*103 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*87.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*99.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST 5-6_SW_E_0.0 **York Sample ID:** 22F1533-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22F1533	170610601	Soil	June 29, 2022 3:00 pm	06/29/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.5		%	0.100	1	SM 2540G	06/30/2022 11:33	06/30/2022 13:35	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BF21719 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22F1533-01	UST 5-6_SW_E_0.0	06/30/22
BF21719-BLK1	Blank	06/30/22
BF21719-BLK2	Blank	06/30/22
BF21719-BLK3	Blank	06/30/22
BF21719-BS1	LCS	06/30/22
BF21719-BSD1	LCS Dup	06/30/22

Batch ID: BF21929 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22F1533-01	UST 5-6_SW_E_0.0	06/30/22
BF21929-DUP1	Duplicate	06/30/22

Batch ID: BG20121 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22F1533-01	UST 5-6_SW_E_0.0	07/05/22
BG20121-BLK1	Blank	07/05/22
BG20121-BS1	LCS	07/05/22
BG20121-MS1	Matrix Spike	07/05/22
BG20121-MSD1	Matrix Spike Dup	07/05/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21719 - EPA 5035A											
Blank (BF21719-BLK1) Blank									Prepared & Analyzed: 06/30/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.9*		*"*	*50.0*		*93.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*76-130*				
Blank (BF21719-BLK2) Blank									Prepared & Analyzed: 06/30/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*ug/L*	*50.0*		*97.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.7*		*"*	*50.0*		*93.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.3*		*"*	*50.0*		*107*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21719 - EPA 5035A											
Blank (BF21719-BLK3) Blank								Prepared & Analyzed: 06/30/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.7*		*"*	*50.0*		*93.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
LCS (BF21719-BS1) LCS								Prepared & Analyzed: 06/30/2022			
1,2,4-Trimethylbenzene	47.5		ug/L	50.0		95.1	84-125			30	
1,3,5-Trimethylbenzene	46.5		"	50.0		92.9	82-126			30	
Benzene	47.4		"	50.0		94.9	70-130			30	
Ethyl Benzene	47.0		"	50.0		93.9	70-130			30	
Isopropylbenzene	48.6		"	50.0		97.1	70-130			30	
Methyl tert-butyl ether (MTBE)	46.9		"	50.0		93.7	70-130			30	
Naphthalene	49.4		"	50.0		98.7	86-141			30	
n-Butylbenzene	49.0		"	50.0		98.1	80-130			30	
n-Propylbenzene	46.7		"	50.0		93.4	74-136			30	
o-Xylene	48.2		"	50.0		96.4	70-130			30	
p- & m- Xylenes	94.2		"	100		94.2	70-130			30	
p-Isopropyltoluene	48.6		"	50.0		97.1	85-125			30	
sec-Butylbenzene	47.4		"	50.0		94.7	83-125			30	
tert-Butylbenzene	41.9		"	50.0		83.8	80-127			30	
Toluene	44.5		"	50.0		89.0	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.5*		*"*	*50.0*		*95.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21719 - EPA 5035A											
LCS Dup (BF21719-BSD1) LCS Dup								Prepared & Analyzed: 06/30/2022			
1,2,4-Trimethylbenzene	45.2		ug/L	50.0		90.4	84-125		5.00	30	
1,3,5-Trimethylbenzene	44.2		"	50.0		88.4	82-126		4.96	30	
Benzene	45.3		"	50.0		90.6	70-130		4.59	30	
Ethyl Benzene	44.8		"	50.0		89.5	70-130		4.75	30	
Isopropylbenzene	45.9		"	50.0		91.7	70-130		5.74	30	
Methyl tert-butyl ether (MTBE)	44.2		"	50.0		88.3	70-130		5.93	30	
Naphthalene	46.2		"	50.0		92.4	86-141		6.55	30	
n-Butylbenzene	46.4		"	50.0		92.8	80-130		5.55	30	
n-Propylbenzene	44.3		"	50.0		88.7	74-136		5.14	30	
o-Xylene	46.0		"	50.0		92.0	70-130		4.69	30	
p- & m- Xylenes	90.3		"	100		90.3	70-130		4.30	30	
p-Isopropyltoluene	46.0		"	50.0		92.1	85-125		5.35	30	
sec-Butylbenzene	45.0		"	50.0		90.0	83-125		5.18	30	
tert-Butylbenzene	39.7		"	50.0		79.3	80-127	Low Bias	5.49	30	
Toluene	42.5		"	50.0		84.9	70-130		4.67	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.5*		*"*	*50.0*		*95.0*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20121 - EPA 3546 SVOA											
Blank (BG20121-BLK1) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.778*		*"*	*0.831*		*93.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.708*		*"*	*0.831*		*85.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.774*		*"*	*0.831*		*93.2*	*24-116*				
LCS (BG20121-BS1) LCS									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Acenaphthene	0.641	0.0416	mg/kg wet	0.831		77.2	30-121				
Acenaphthylene	0.590	0.0416	"	0.831		71.1	30-115				
Anthracene	0.686	0.0416	"	0.831		82.6	34-118				
Benzo(a)anthracene	0.716	0.0416	"	0.831		86.2	32-122				
Benzo(a)pyrene	0.639	0.0416	"	0.831		77.0	29-133				
Benzo(b)fluoranthene	0.715	0.0416	"	0.831		86.0	25-133				
Benzo(g,h,i)perylene	0.683	0.0416	"	0.831		82.2	10-143				
Benzo(k)fluoranthene	0.615	0.0416	"	0.831		74.1	25-128				
Chrysene	0.656	0.0416	"	0.831		79.0	32-123				
Dibenzo(a,h)anthracene	0.687	0.0416	"	0.831		82.8	10-136				
Fluoranthene	0.652	0.0416	"	0.831		78.5	33-122				
Fluorene	0.649	0.0416	"	0.831		78.1	29-123				
Indeno(1,2,3-cd)pyrene	0.827	0.0416	"	0.831		99.6	10-135				
Naphthalene	0.630	0.0416	"	0.831		75.8	23-124				
Phenanthrene	0.647	0.0416	"	0.831		77.8	33-123				
Pyrene	0.666	0.0416	"	0.831		80.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.747*		*"*	*0.831*		*90.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.674*		*"*	*0.831*		*81.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.743*		*"*	*0.831*		*89.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG20121 - EPA 3546 SVOA

Matrix Spike (BG20121-MS1) Matrix Spike *Source sample: 22G0056-01 (Matrix Spike) Prepared: 07/05/2022 Analyzed: 07/06/2022

Acenaphthene	0.578	0.0831	mg/kg wet	0.831		69.6	10-146			
Acenaphthylene	0.541	0.0831	"	0.831		65.1	10-134			
Anthracene	0.631	0.0831	"	0.831		76.0	10-142			
Benzo(a)anthracene	0.670	0.0831	"	0.831		80.6	10-158			
Benzo(a)pyrene	0.591	0.0831	"	0.831		71.2	10-180			
Benzo(b)fluoranthene	0.652	0.0831	"	0.831		78.6	10-200			
Benzo(g,h,i)perylene	0.616	0.0831	"	0.831		74.2	10-138			
Benzo(k)fluoranthene	0.563	0.0831	"	0.831		67.8	10-197			
Chrysene	0.607	0.0831	"	0.831		73.1	10-156			
Dibenzo(a,h)anthracene	0.609	0.0831	"	0.831		73.3	10-137			
Fluoranthene	0.613	0.0831	"	0.831		73.8	10-160			
Fluorene	0.585	0.0831	"	0.831		70.5	10-157			
Indeno(1,2,3-cd)pyrene	0.702	0.0831	"	0.831		84.5	10-144			
Naphthalene	0.585	0.0831	"	0.831		70.4	10-141			
Phenanthrene	0.609	0.0831	"	0.831		73.4	10-148			
Pyrene	0.627	0.0831	"	0.831		75.5	10-165			
Surrogate: SURR: Nitrobenzene-d5	*0.715*		*"*	*0.831*		*86.1*	*22-108*			
Surrogate: SURR: 2-Fluorobiphenyl	*0.619*		*"*	*0.831*		*74.6*	*21-113*			
Surrogate: SURR: Terphenyl-d14	*0.691*		*"*	*0.831*		*83.2*	*24-116*			

Matrix Spike Dup (BG20121-! Matrix Spike Dup *Source sample: 22G0056-01 (Matrix Spike Dup) Prepared: 07/05/2022 Analyzed: 07/06/2022

Acenaphthene	0.579	0.0831	mg/kg wet	0.831		69.7	10-146	0.115	30	
Acenaphthylene	0.529	0.0831	"	0.831		63.7	10-134	2.24	30	
Anthracene	0.616	0.0831	"	0.831		74.2	10-142	2.45	30	
Benzo(a)anthracene	0.646	0.0831	"	0.831		77.8	10-158	3.64	30	
Benzo(a)pyrene	0.569	0.0831	"	0.831		68.5	10-180	3.89	30	
Benzo(b)fluoranthene	0.633	0.0831	"	0.831		76.2	10-200	3.00	30	
Benzo(g,h,i)perylene	0.595	0.0831	"	0.831		71.7	10-138	3.40	30	
Benzo(k)fluoranthene	0.548	0.0831	"	0.831		65.9	10-197	2.87	30	
Chrysene	0.598	0.0831	"	0.831		72.0	10-156	1.54	30	
Dibenzo(a,h)anthracene	0.596	0.0831	"	0.831		71.8	10-137	2.10	30	
Fluoranthene	0.589	0.0831	"	0.831		71.0	10-160	3.87	30	
Fluorene	0.581	0.0831	"	0.831		69.9	10-157	0.798	30	
Indeno(1,2,3-cd)pyrene	0.662	0.0831	"	0.831		79.8	10-144	5.75	30	
Naphthalene	0.593	0.0831	"	0.831		71.4	10-141	1.35	30	
Phenanthrene	0.597	0.0831	"	0.831		71.8	10-148	2.09	30	
Pyrene	0.609	0.0831	"	0.831		73.3	10-165	3.01	30	
Surrogate: SURR: Nitrobenzene-d5	*0.716*		*"*	*0.831*		*86.2*	*22-108*			
Surrogate: SURR: 2-Fluorobiphenyl	*0.610*		*"*	*0.831*		*73.4*	*21-113*			
Surrogate: SURR: Terphenyl-d14	*0.663*		*"*	*0.831*		*79.8*	*24-116*			

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21929 - % Solids Prep											
Duplicate (BF21929-DUP1) Duplicate	*Source sample: 22F1538-39 (Duplicate)							Prepared & Analyzed: 06/30/2022			
% Solids	89.7	0.100	%		89.4				0.354	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22F1533-01	UST 5-6_SW_E_0.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 22F1533

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 West 31st Street New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Seman	Contact:	Contact:
E-mail: KSeman@Langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay St

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ✓
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
~~USTS-6-SW-N~~	~~S~~	~~6/24/22~~	CP-51 List SVOCs, VOCs	1x 8oz/Terracore
USTS-6-SW-E-0.0	S	6/29/22	↓	↓
~~USTS-6-SW-S~~	~~S~~	~~6/24/22~~		
~~USTS-6-SW-W~~	~~S~~	~~6/24/22~~		

Comments: Please include lesmail@Langan.com & maronica@Langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time
[signature]	6/29/2022 19:50	[signature] NY Analytics	6/29/22 19:50	[signature] NY Analytics	6/29/22 1516
Ivan B	6.29.22 1516	Ivan B	6.29.22 2010		
4. Samples Relinquished by / Company	Date/Time	5. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	6/29/22 2010 5.1 Degrees C

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Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/06/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0102

Report Date: 07/06/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0102

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 05, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0102-01	UST5-6_SW_S_0.0	Soil	07/05/2022	07/05/2022

General Notes for York Project (SDG) No.: 22G0102

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By Cassie L. Mosher **Date:** 07/06/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_SW_S_0.0 **York Sample ID:** 22G0102-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0102	170610601	Soil	July 5, 2022 11:40 am	07/05/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0090	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C	07/05/2022 12:29	07/06/2022 03:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.1 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_S_0.0 **York Sample ID:** 22G0102-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0102	170610601	Soil	July 5, 2022 11:40 am	07/05/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0491	0.0980	2	EPA 8270D	07/05/2022 20:34	07/06/2022 10:24	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*85.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.1 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*71.4 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_S_0.0 **York Sample ID:** 22G0102-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0102	170610601	Soil	July 5, 2022 11:40 am	07/05/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.5**		%	0.100	1	SM 2540G	07/06/2022 12:19	07/06/2022 15:25	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BF21726 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0102-01	UST5-6_SW_S_0.0	07/05/22
BF21726-BLK1	Blank	07/05/22
BF21726-BLK2	Blank	07/05/22
BF21726-BLK3	Blank	07/05/22
BF21726-BS1	LCS	07/05/22
BF21726-BSD1	LCS Dup	07/05/22

Batch ID: BG20160 **Preparation Method:** EPA 3550C **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22G0102-01	UST5-6_SW_S_0.0	07/05/22
BG20160-BLK1	Blank	07/05/22
BG20160-BS1	LCS	07/05/22
BG20160-MS1	Matrix Spike	07/05/22
BG20160-MSD1	Matrix Spike Dup	07/05/22

Batch ID: BG20196 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22G0102-01	UST5-6_SW_S_0.0	07/06/22
BG20196-DUP1	Duplicate	07/06/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21726 - EPA 5035A											
Blank (BF21726-BLK1) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.1*		*ug/L*	*50.0*		*88.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.3*	*76-130*				
Blank (BF21726-BLK2) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.6*		*ug/L*	*50.0*		*87.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21726 - EPA 5035A											
Blank (BF21726-BLK3) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*45.2*		*ug/L*	*50.0*		*90.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				
LCS (BF21726-BS1) LCS									Prepared: 07/05/2022 Analyzed: 07/06/2022		
1,2,4-Trimethylbenzene	46.0		ug/L	50.0		92.1	84-125			30	
1,3,5-Trimethylbenzene	45.8		"	50.0		91.6	82-126			30	
Benzene	49.5		"	50.0		99.0	70-130			30	
Ethyl Benzene	47.2		"	50.0		94.4	70-130			30	
Isopropylbenzene	50.3		"	50.0		101	70-130			30	
Methyl tert-butyl ether (MTBE)	37.8		"	50.0		75.5	70-130			30	
Naphthalene	46.8		"	50.0		93.6	86-141			30	
n-Butylbenzene	51.5		"	50.0		103	80-130			30	
n-Propylbenzene	49.6		"	50.0		99.1	74-136			30	
o-Xylene	46.8		"	50.0		93.6	70-130			30	
p- & m- Xylenes	93.8		"	100		93.8	70-130			30	
p-Isopropyltoluene	48.1		"	50.0		96.2	85-125			30	
sec-Butylbenzene	49.4		"	50.0		98.7	83-125			30	
tert-Butylbenzene	48.6		"	50.0		97.1	80-127			30	
Toluene	45.7		"	50.0		91.5	70-130			30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.3*		*"*	*50.0*		*88.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21726 - EPA 5035A											
LCS Dup (BF21726-BSD1) LCS Dup									Prepared: 07/05/2022 Analyzed: 07/06/2022		
1,2,4-Trimethylbenzene	47.1		ug/L	50.0		94.2	84-125		2.25	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.7	82-126		3.33	30	
Benzene	50.8		"	50.0		102	70-130		2.61	30	
Ethyl Benzene	48.6		"	50.0		97.2	70-130		2.90	30	
Isopropylbenzene	50.8		"	50.0		102	70-130		0.851	30	
Methyl tert-butyl ether (MTBE)	39.1		"	50.0		78.2	70-130		3.43	30	
Naphthalene	47.2		"	50.0		94.4	86-141		0.787	30	
n-Butylbenzene	52.6		"	50.0		105	80-130		2.06	30	
n-Propylbenzene	50.5		"	50.0		101	74-136		1.92	30	
o-Xylene	48.5		"	50.0		97.0	70-130		3.53	30	
p- & m- Xylenes	96.7		"	100		96.7	70-130		3.10	30	
p-Isopropyltoluene	48.9		"	50.0		97.8	85-125		1.61	30	
sec-Butylbenzene	50.0		"	50.0		100	83-125		1.37	30	
tert-Butylbenzene	49.2		"	50.0		98.4	80-127		1.29	30	
Toluene	47.3		"	50.0		94.5	70-130		3.27	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.7*		*"*	*50.0*		*89.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*99.9*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20160 - EPA 3550C											
Blank (BG20160-BLK1) Blank									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.727*		*"*	*0.831*		*87.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.539*		*"*	*0.831*		*64.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.607*		*"*	*0.831*		*73.1*	*24-116*				
LCS (BG20160-BS1) LCS									Prepared: 07/05/2022 Analyzed: 07/06/2022		
Acenaphthene	0.419	0.0416	mg/kg wet	0.831		50.4	30-121				
Acenaphthylene	0.381	0.0416	"	0.831		45.9	30-115				
Anthracene	0.421	0.0416	"	0.831		50.7	34-118				
Benzo(a)anthracene	0.423	0.0416	"	0.831		50.9	32-122				
Benzo(a)pyrene	0.378	0.0416	"	0.831		45.5	29-133				
Benzo(b)fluoranthene	0.416	0.0416	"	0.831		50.1	25-133				
Benzo(g,h,i)perylene	0.399	0.0416	"	0.831		48.1	10-143				
Benzo(k)fluoranthene	0.415	0.0416	"	0.831		49.9	25-128				
Chrysene	0.395	0.0416	"	0.831		47.5	32-123				
Dibenzo(a,h)anthracene	0.422	0.0416	"	0.831		50.8	10-136				
Fluoranthene	0.413	0.0416	"	0.831		49.7	33-122				
Fluorene	0.426	0.0416	"	0.831		51.2	29-123				
Indeno(1,2,3-cd)pyrene	0.410	0.0416	"	0.831		49.4	10-135				
Naphthalene	0.415	0.0416	"	0.831		50.0	23-124				
Phenanthrene	0.423	0.0416	"	0.831		51.0	33-123				
Pyrene	0.392	0.0416	"	0.831		47.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.571*		*"*	*0.831*		*68.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.423*		*"*	*0.831*		*50.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.463*		*"*	*0.831*		*55.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20160 - EPA 3550C											
Matrix Spike (BG20160-MS1) Matrix Spike	*Source sample: 22G0102-01 (UST5-6_SW_S_0.0)							Prepared: 07/05/2022 Analyzed: 07/06/2022			
Acenaphthene	0.498	0.0983	mg/kg dry	0.983	ND	50.7	10-146				
Acenaphthylene	0.458	0.0983	"	0.983	ND	46.6	10-134				
Anthracene	0.511	0.0983	"	0.983	ND	52.0	10-142				
Benzo(a)anthracene	0.527	0.0983	"	0.983	ND	53.6	10-158				
Benzo(a)pyrene	0.523	0.0983	"	0.983	ND	53.2	10-180				
Benzo(b)fluoranthene	0.579	0.0983	"	0.983	ND	59.0	10-200				
Benzo(g,h,i)perylene	0.533	0.0983	"	0.983	ND	54.2	10-138				
Benzo(k)fluoranthene	0.540	0.0983	"	0.983	ND	55.0	10-197				
Chrysene	0.505	0.0983	"	0.983	ND	51.4	10-156				
Dibenzo(a,h)anthracene	0.527	0.0983	"	0.983	ND	53.7	10-137				
Fluoranthene	0.542	0.0983	"	0.983	ND	55.1	10-160				
Fluorene	0.538	0.0983	"	0.983	ND	54.7	10-157				
Indeno(1,2,3-cd)pyrene	0.529	0.0983	"	0.983	ND	53.8	10-144				
Naphthalene	0.475	0.0983	"	0.983	ND	48.3	10-141				
Phenanthrene	0.505	0.0983	"	0.983	ND	51.4	10-148				
Pyrene	0.494	0.0983	"	0.983	ND	50.3	10-165				
Surrogate: SURR: Nitrobenzene-d5	*0.711*		*"*	*0.983*		*72.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.544*		*"*	*0.983*		*55.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.649*		*"*	*0.983*		*66.0*	*24-116*				
Matrix Spike Dup (BG20160-! Matrix Spike Dup	*Source sample: 22G0102-01 (UST5-6_SW_S_0.0)							Prepared: 07/05/2022 Analyzed: 07/06/2022			
Acenaphthene	0.601	0.0983	mg/kg dry	0.983	ND	61.2	10-146		18.7	30	
Acenaphthylene	0.563	0.0983	"	0.983	ND	57.3	10-134		20.5	30	
Anthracene	0.625	0.0983	"	0.983	ND	63.6	10-142		20.1	30	
Benzo(a)anthracene	0.635	0.0983	"	0.983	ND	64.6	10-158		18.7	30	
Benzo(a)pyrene	0.607	0.0983	"	0.983	ND	61.8	10-180		14.9	30	
Benzo(b)fluoranthene	0.662	0.0983	"	0.983	ND	67.4	10-200		13.3	30	
Benzo(g,h,i)perylene	0.619	0.0983	"	0.983	ND	63.0	10-138		14.9	30	
Benzo(k)fluoranthene	0.612	0.0983	"	0.983	ND	62.3	10-197		12.6	30	
Chrysene	0.583	0.0983	"	0.983	ND	59.4	10-156		14.5	30	
Dibenzo(a,h)anthracene	0.638	0.0983	"	0.983	ND	64.9	10-137		18.9	30	
Fluoranthene	0.600	0.0983	"	0.983	ND	61.0	10-160		10.2	30	
Fluorene	0.620	0.0983	"	0.983	ND	63.1	10-157		14.3	30	
Indeno(1,2,3-cd)pyrene	0.624	0.0983	"	0.983	ND	63.5	10-144		16.5	30	
Naphthalene	0.615	0.0983	"	0.983	ND	62.6	10-141		25.7	30	
Phenanthrene	0.616	0.0983	"	0.983	ND	62.6	10-148		19.6	30	
Pyrene	0.570	0.0983	"	0.983	ND	58.0	10-165		14.2	30	
Surrogate: SURR: Nitrobenzene-d5	*0.914*		*"*	*0.983*		*93.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.696*		*"*	*0.983*		*70.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.740*		*"*	*0.983*		*75.3*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20196 - % Solids Prep											
Duplicate (BG20196-DUP1) Duplicate	*Source sample: 22G0102-01 (UST5-6_SW_S_0.0)							Prepared & Analyzed: 07/06/2022			
% Solids	84.7	0.100	%		84.5				0.229	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0102-01	UST5-6_SW_S_0.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 226102

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LANGAN	Company:	Company:	170610601	RUSH - Next Day ✓
Address: 360 W 31st St New York NY 10001	Address:	Address:	YOUR Project Name: 475 Bay Street	RUSH - Two Day
Phone: 212-479-5400	Phone:	Phone:		RUSH - Three Day
Contact: Kim Seman	Contact:	Contact:		RUSH - Four Day
E-mail: kseman@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) Harrison Bluestone

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
UST5-6-SW-S-0.0	S	7/5/22 11:40	CP-51 List SVOCs & VOCs	1x 8oz/Terracore

Comments: please include lesmail@langan.com & maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Harrison Bluestone/Langan	7/5/22 15:00	Mark NY York Labs	7/5/22 1500	Mark NY York Labs	7/5/22
2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Andrew / York	7/5/22 1740	Andrew York	7/5/22 1953		
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature] 7/5/22	1953 / 4.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0272

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0272

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 07, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

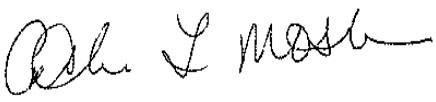
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0272-01	UST5-6_SW2_E_0.0	Soil	07/07/2022	07/07/2022

General Notes for York Project (SDG) No.: 22G0272

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/12/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_SW2_E_0.0 **York Sample ID:** 22G0272-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0272	170610601	Soil	July 7, 2022 3:00 pm	07/07/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0097	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	07/08/2022 06:41	07/08/2022 11:56	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_E_0.0 **York Sample ID:** 22G0272-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0272	170610601	Soil	July 7, 2022 3:00 pm	07/07/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0494	0.0986	2	EPA 8270D	07/08/2022 13:37	07/11/2022 11:10	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*86.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.5 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_E_0.0 **York Sample ID:** 22G0272-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0272	170610601	Soil	July 7, 2022 3:00 pm	07/07/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.8		%	0.100	1	SM 2540G	07/11/2022 09:06	07/11/2022 14:11	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BF21730 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0272-01	UST5-6_SW2_E_0.0	07/08/22
BF21730-BLK1	Blank	07/08/22
BF21730-BS1	LCS	07/08/22
BF21730-BSD1	LCS Dup	07/08/22

Batch ID: BG20408 **Preparation Method:** EPA 3550C **Prepared By:** RJH

YORK Sample ID	Client Sample ID	Preparation Date
22G0272-01	UST5-6_SW2_E_0.0	07/08/22
BG20408-BLK1	Blank	07/08/22
BG20408-BS1	LCS	07/08/22

Batch ID: BG20467 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22G0272-01	UST5-6_SW2_E_0.0	07/11/22
BG20467-DUP1	Duplicate	07/11/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21730 - EPA 5035A											
Blank (BF21730-BLK1) Blank								Prepared & Analyzed: 07/08/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*76-130*				
LCS (BF21730-BS1) LCS								Prepared & Analyzed: 07/08/2022			
1,2,4-Trimethylbenzene	44.2		ug/L	50.0		88.5	84-125				
1,3,5-Trimethylbenzene	43.2		"	50.0		86.4	82-126				
Benzene	43.0		"	50.0		86.1	77-127				
Ethyl Benzene	44.1		"	50.0		88.2	84-125				
Isopropylbenzene	45.3		"	50.0		90.7	81-127				
Methyl tert-butyl ether (MTBE)	43.4		"	50.0		86.8	74-131				
Naphthalene	46.3		"	50.0		92.7	86-141				
n-Butylbenzene	44.5		"	50.0		89.0	80-130				
n-Propylbenzene	43.4		"	50.0		86.8	74-136				
o-Xylene	44.7		"	50.0		89.3	83-123				
p- & m- Xylenes	88.2		"	100		88.2	82-128				
p-Isopropyltoluene	44.7		"	50.0		89.4	85-125				
sec-Butylbenzene	44.0		"	50.0		87.9	83-125				
tert-Butylbenzene	38.9		"	50.0		77.8	80-127	Low Bias			
Toluene	42.8		"	50.0		85.6	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF21730 - EPA 5035A											
LCS Dup (BF21730-BSD1) LCS Dup							Prepared & Analyzed: 07/08/2022				
1,2,4-Trimethylbenzene	48.4		ug/L	50.0		96.8	84-125		9.02	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.6	82-126		9.13	30	
Benzene	46.7		"	50.0		93.3	77-127		8.05	30	
Ethyl Benzene	47.7		"	50.0		95.3	84-125		7.83	30	
Isopropylbenzene	49.9		"	50.0		99.8	81-127		9.60	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.8	74-131		8.83	30	
Naphthalene	49.5		"	50.0		99.0	86-141		6.60	30	
n-Butylbenzene	48.9		"	50.0		97.8	80-130		9.45	30	
n-Propylbenzene	47.6		"	50.0		95.3	74-136		9.34	30	
o-Xylene	48.0		"	50.0		96.0	83-123		7.17	30	
p- & m- Xylenes	95.7		"	100		95.7	82-128		8.20	30	
p-Isopropyltoluene	48.8		"	50.0		97.5	85-125		8.75	30	
sec-Butylbenzene	48.2		"	50.0		96.4	83-125		9.27	30	
tert-Butylbenzene	42.4		"	50.0		84.9	80-127		8.65	30	
Toluene	46.1		"	50.0		92.2	85-121		7.45	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20408 - EPA 3550C											
Blank (BG20408-BLK1) Blank									Prepared: 07/08/2022 Analyzed: 07/11/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.509*		*"*	*0.831*		*61.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.456*		*"*	*0.831*		*55.0*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.565*		*"*	*0.831*		*68.1*	*24-116*				
LCS (BG20408-BS1) LCS									Prepared: 07/08/2022 Analyzed: 07/11/2022		
Acenaphthene	0.511	0.0416	mg/kg wet	0.831		61.5	30-121				
Acenaphthylene	0.464	0.0416	"	0.831		55.8	30-115				
Anthracene	0.550	0.0416	"	0.831		66.3	34-118				
Benzo(a)anthracene	0.577	0.0416	"	0.831		69.5	32-122				
Benzo(a)pyrene	0.499	0.0416	"	0.831		60.1	29-133				
Benzo(b)fluoranthene	0.549	0.0416	"	0.831		66.1	25-133				
Benzo(g,h,i)perylene	0.498	0.0416	"	0.831		60.0	10-143				
Benzo(k)fluoranthene	0.469	0.0416	"	0.831		56.5	25-128				
Chrysene	0.519	0.0416	"	0.831		62.5	32-123				
Dibenzo(a,h)anthracene	0.511	0.0416	"	0.831		61.6	10-136				
Fluoranthene	0.521	0.0416	"	0.831		62.7	33-122				
Fluorene	0.516	0.0416	"	0.831		62.1	29-123				
Indeno(1,2,3-cd)pyrene	0.623	0.0416	"	0.831		75.0	10-135				
Naphthalene	0.500	0.0416	"	0.831		60.2	23-124				
Phenanthrene	0.516	0.0416	"	0.831		62.1	33-123				
Pyrene	0.533	0.0416	"	0.831		64.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.597*		*"*	*0.831*		*71.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.543*		*"*	*0.831*		*65.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.615*		*"*	*0.831*		*74.0*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20467 - % Solids Prep											
Duplicate (BG20467-DUP1) Duplicate	*Source sample: 22G0272-01 (UST5-6_SW2_E_0.0)							Prepared & Analyzed: 07/11/2022			
% Solids	82.0	0.100	%		83.8				2.11	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0272-01	UST5-6_SW2_E_0.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 22G0272

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: 360 W 31st St New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Simon	Contact:	Contact:
E-mail: KSimon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day ✓
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Harrison Bluestone

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced	NYSDEC EQuIS
NY ASP B Package	Deliverables	NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
UST5-6_SW2_E_0.0	S	7/7/22 15:00	CP-51 List SVOC's + VOC's	2x 8oz / Terracore

Comments: CC: lesmail@langan.com
maronza@langan.com

Samples iced/chilled at time of lab pickup? circle: Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

- Field Filtered
- Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Langan	7/7/22 15:25	Mad N York Labs	7/7/22 1525	Mad N York Labs	7/7/22 1700
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Andrew S. York	7/7/22 1700	Andrew S. York	7/7/22 2000		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received at LAB by	Date/Time / Temperature
				KBlock	7/7/22 2000 / 1.9 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0331

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0331

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 08, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

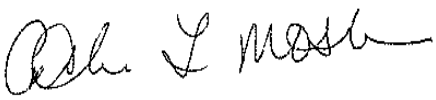
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0331-01	UST5-6_BOTTOM2_-2.0	Soil	07/07/2022	07/08/2022

General Notes for York Project (SDG) No.: 22G0331

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/12/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_BOTTOM2_-2.0 **York Sample ID:** 22G0331-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0331	170610601	Soil	July 7, 2022 3:45 pm	07/08/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.011	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	07/11/2022 06:42	07/11/2022 12:01	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_BOTTOM2_-2.0 **York Sample ID:** 22G0331-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0331	170610601	Soil	July 7, 2022 3:45 pm	07/08/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0493	0.0984	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:37	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*78.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*80.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_BOTTOM2_-2.0 **York Sample ID:** 22G0331-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0331	170610601	Soil	July 7, 2022 3:45 pm	07/08/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**83.3**		%	0.100	1	SM 2540G	07/11/2022 17:16	07/11/2022 20:45	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BG20369 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0331-01	UST5-6_BOTTOM2_-2.0	07/11/22
BG20369-BLK1	Blank	07/11/22
BG20369-BS1	LCS	07/11/22
BG20369-BSD1	LCS Dup	07/11/22

Batch ID: BG20445 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22G0331-01	UST5-6_BOTTOM2_-2.0	07/10/22
BG20445-BLK1	Blank	07/10/22
BG20445-BS1	LCS	07/10/22
BG20445-MS1	Matrix Spike	07/10/22
BG20445-MSD1	Matrix Spike Dup	07/10/22

Batch ID: BG20521 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22G0331-01	UST5-6_BOTTOM2_-2.0	07/11/22
BG20521-DUP1	Duplicate	07/11/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20369 - EPA 5035A											
Blank (BG20369-BLK1) Blank								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
LCS (BG20369-BS1) LCS								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	56.4		ug/L	50.0		113	84-125				
1,3,5-Trimethylbenzene	55.0		"	50.0		110	82-126				
Benzene	47.1		"	50.0		94.2	77-127				
Ethyl Benzene	52.7		"	50.0		105	84-125				
Isopropylbenzene	57.4		"	50.0		115	81-127				
Methyl tert-butyl ether (MTBE)	46.7		"	50.0		93.3	74-131				
Naphthalene	56.5		"	50.0		113	86-141				
n-Butylbenzene	57.4		"	50.0		115	80-130				
n-Propylbenzene	55.2		"	50.0		110	74-136				
o-Xylene	53.9		"	50.0		108	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	57.0		"	50.0		114	85-125				
sec-Butylbenzene	55.9		"	50.0		112	83-125				
tert-Butylbenzene	49.8		"	50.0		99.5	80-127				
Toluene	51.1		"	50.0		102	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20369 - EPA 5035A											
LCS Dup (BG20369-BSD1) LCS Dup								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	61.7		ug/L	50.0		123	84-125		9.08	30	
1,3,5-Trimethylbenzene	60.5		"	50.0		121	82-126		9.55	30	
Benzene	51.8		"	50.0		104	77-127		9.51	30	
Ethyl Benzene	58.0		"	50.0		116	84-125		9.47	30	
Isopropylbenzene	63.4		"	50.0		127	81-127		9.82	30	
Methyl tert-butyl ether (MTBE)	50.8		"	50.0		102	74-131		8.54	30	
Naphthalene	61.7		"	50.0		123	86-141		8.73	30	
n-Butylbenzene	63.8		"	50.0		128	80-130		10.7	30	
n-Propylbenzene	60.8		"	50.0		122	74-136		9.81	30	
o-Xylene	59.4		"	50.0		119	83-123		9.78	30	
p- & m- Xylenes	118		"	100		118	82-128		9.62	30	
p-Isopropyltoluene	63.2		"	50.0		126	85-125	High Bias	10.3	30	
sec-Butylbenzene	62.0		"	50.0		124	83-125		10.3	30	
tert-Butylbenzene	54.9		"	50.0		110	80-127		9.90	30	
Toluene	56.3		"	50.0		113	85-121		9.61	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.6*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20445 - EPA 3546 SVOA											
Blank (BG20445-BLK1) Blank									Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.688*		*"*	*0.831*		*82.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.669*		*"*	*0.831*		*80.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.845*		*"*	*0.831*		*102*	*24-116*				
LCS (BG20445-BS1) LCS									Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.610	0.0416	mg/kg wet	0.831		73.4	30-121				
Acenaphthylene	0.556	0.0416	"	0.831		67.0	30-115				
Anthracene	0.644	0.0416	"	0.831		77.6	34-118				
Benzo(a)anthracene	0.651	0.0416	"	0.831		78.4	32-122				
Benzo(a)pyrene	0.570	0.0416	"	0.831		68.7	29-133				
Benzo(b)fluoranthene	0.635	0.0416	"	0.831		76.5	25-133				
Benzo(g,h,i)perylene	0.655	0.0416	"	0.831		78.8	10-143				
Benzo(k)fluoranthene	0.656	0.0416	"	0.831		79.0	25-128				
Chrysene	0.646	0.0416	"	0.831		77.8	32-123				
Dibenzo(a,h)anthracene	0.635	0.0416	"	0.831		76.4	10-136				
Fluoranthene	0.622	0.0416	"	0.831		74.9	33-122				
Fluorene	0.607	0.0416	"	0.831		73.0	29-123				
Indeno(1,2,3-cd)pyrene	0.639	0.0416	"	0.831		77.0	10-135				
Naphthalene	0.605	0.0416	"	0.831		72.9	23-124				
Phenanthrene	0.607	0.0416	"	0.831		73.1	33-123				
Pyrene	0.625	0.0416	"	0.831		75.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.651*		*"*	*0.831*		*78.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.625*		*"*	*0.831*		*75.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.729*		*"*	*0.831*		*87.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20445 - EPA 3546 SVOA											
Matrix Spike (BG20445-MS1) Matrix Spike	*Source sample: 22G0188-24 (Matrix Spike)								Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.573	0.0831	mg/kg wet	0.831	ND	69.0	10-146				
Acenaphthylene	0.506	0.0831	"	0.831	ND	60.9	10-134				
Anthracene	0.596	0.0831	"	0.831	ND	71.8	10-142				
Benzo(a)anthracene	0.564	0.0831	"	0.831	ND	67.9	10-158				
Benzo(a)pyrene	0.510	0.0831	"	0.831	ND	61.4	10-180				
Benzo(b)fluoranthene	0.528	0.0831	"	0.831	ND	63.5	10-200				
Benzo(g,h,i)perylene	0.580	0.0831	"	0.831	ND	69.8	10-138				
Benzo(k)fluoranthene	0.606	0.0831	"	0.831	ND	73.0	10-197				
Chrysene	0.594	0.0831	"	0.831	ND	71.5	10-156				
Dibenzo(a,h)anthracene	0.535	0.0831	"	0.831	ND	64.4	10-137				
Fluoranthene	0.488	0.0831	"	0.831	ND	58.8	10-160				
Fluorene	0.540	0.0831	"	0.831	ND	65.0	10-157				
Indeno(1,2,3-cd)pyrene	0.555	0.0831	"	0.831	ND	66.8	10-144				
Naphthalene	0.557	0.0831	"	0.831	ND	67.1	10-141				
Phenanthrene	0.585	0.0831	"	0.831	ND	70.5	10-148				
Pyrene	0.621	0.0831	"	0.831	ND	74.7	10-165				
Surrogate: SURR: Nitrobenzene-d5	*0.603*		*"*	*0.831*		*72.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.650*		*"*	*0.831*		*78.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.733*		*"*	*0.831*		*88.2*	*24-116*				
Matrix Spike Dup (BG20445-! Matrix Spike Dup	*Source sample: 22G0188-24 (Matrix Spike Dup)								Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.609	0.0831	mg/kg wet	0.831	ND	73.3	10-146		6.07	30	
Acenaphthylene	0.536	0.0831	"	0.831	ND	64.5	10-134		5.74	30	
Anthracene	0.609	0.0831	"	0.831	ND	73.4	10-142		2.21	30	
Benzo(a)anthracene	0.611	0.0831	"	0.831	ND	73.6	10-158		8.03	30	
Benzo(a)pyrene	0.559	0.0831	"	0.831	ND	67.3	10-180		9.07	30	
Benzo(b)fluoranthene	0.573	0.0831	"	0.831	ND	69.0	10-200		8.21	30	
Benzo(g,h,i)perylene	0.645	0.0831	"	0.831	ND	77.6	10-138		10.5	30	
Benzo(k)fluoranthene	0.623	0.0831	"	0.831	ND	75.0	10-197		2.70	30	
Chrysene	0.641	0.0831	"	0.831	ND	77.1	10-156		7.53	30	
Dibenzo(a,h)anthracene	0.544	0.0831	"	0.831	ND	65.4	10-137		1.60	30	
Fluoranthene	0.512	0.0831	"	0.831	ND	61.6	10-160		4.65	30	
Fluorene	0.578	0.0831	"	0.831	ND	69.6	10-157		6.77	30	
Indeno(1,2,3-cd)pyrene	0.594	0.0831	"	0.831	ND	71.5	10-144		6.82	30	
Naphthalene	0.583	0.0831	"	0.831	ND	70.2	10-141		4.54	30	
Phenanthrene	0.622	0.0831	"	0.831	ND	74.9	10-148		6.05	30	
Pyrene	0.648	0.0831	"	0.831	ND	78.0	10-165		4.30	30	
Surrogate: SURR: Nitrobenzene-d5	*0.622*		*"*	*0.831*		*74.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.605*		*"*	*0.831*		*72.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.753*		*"*	*0.831*		*90.6*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20521 - % Solids Prep											
Duplicate (BG20521-DUP1) Duplicate	*Source sample: 22G0405-01 (Duplicate)								Prepared & Analyzed: 07/11/2022		
% Solids	83.7	0.100	%		83.2				0.608	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0331-01	UST5-6_BOTTOM2_-2.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2260331

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: 360 W 31st Street New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Serson	Contact:	Contact:
E-mail: KSerson@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

- RUSH - Next Day: X
- RUSH - Two Day:
- RUSH - Three Day:
- RUSH - Four Day:
- Standard (5-7 Day):

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Harrison Bluestone

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York: X
- New Jersey:
- Connecticut:
- Pennsylvania:
- Other:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
UST5-6_BOTTOM2_-2.0	S	7/7/22 15:45	CP-51 List, SVOC's & VOC's	2 x 8oz / Terracores

Comments: CC: lesmail@langan.com
Maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

- Field Filtered:
- Lab to Filter:

1. Samples Relinquished by / Company	Date/Time	2. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	7/8/22 13:22	Nat'l York Labs	7/8/22 1322	Nat'l York Labs	7/8/22 1500
3. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Francis Co/York	7/8/22 1500	Francis Co/York	7/8/22 1930		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	7/8/22 1930 LA Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0328

Report Date: 07/12/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0328

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 08, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0328-01	UST5-6_SW_N_-1.0	Soil	07/08/2022	07/08/2022

General Notes for York Project (SDG) No.: 22G0328

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By Cassie L. Mosher **Date:** 07/12/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_SW_N_-1.0 **York Sample ID:** 22G0328-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0328	170610601	Soil	July 8, 2022 2:00 pm	07/08/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.0099	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C	07/11/2022 06:42	07/11/2022 11:35	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_N_-1.0 **York Sample ID:** 22G0328-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0328	170610601	Soil	July 8, 2022 2:00 pm	07/08/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	07/10/2022 06:41	07/11/2022 19:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*77.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.9 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_N_-1.0 **York Sample ID:** 22G0328-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0328	170610601	Soil	July 8, 2022 2:00 pm	07/08/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.2**		%	0.100	1	SM 2540G	07/11/2022 17:16	07/11/2022 20:45	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BG20369 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0328-01	UST5-6_SW_N_-1.0	07/11/22
BG20369-BLK1	Blank	07/11/22
BG20369-BS1	LCS	07/11/22
BG20369-BSD1	LCS Dup	07/11/22

Batch ID: BG20445 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KAH

YORK Sample ID	Client Sample ID	Preparation Date
22G0328-01	UST5-6_SW_N_-1.0	07/10/22
BG20445-BLK1	Blank	07/10/22
BG20445-BS1	LCS	07/10/22
BG20445-MS1	Matrix Spike	07/10/22
BG20445-MSD1	Matrix Spike Dup	07/10/22

Batch ID: BG20521 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22G0328-01	UST5-6_SW_N_-1.0	07/11/22
BG20521-DUP1	Duplicate	07/11/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20369 - EPA 5035A											
Blank (BG20369-BLK1) Blank								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
LCS (BG20369-BS1) LCS								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	56.4		ug/L	50.0		113	84-125				
1,3,5-Trimethylbenzene	55.0		"	50.0		110	82-126				
Benzene	47.1		"	50.0		94.2	77-127				
Ethyl Benzene	52.7		"	50.0		105	84-125				
Isopropylbenzene	57.4		"	50.0		115	81-127				
Methyl tert-butyl ether (MTBE)	46.7		"	50.0		93.3	74-131				
Naphthalene	56.5		"	50.0		113	86-141				
n-Butylbenzene	57.4		"	50.0		115	80-130				
n-Propylbenzene	55.2		"	50.0		110	74-136				
o-Xylene	53.9		"	50.0		108	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	57.0		"	50.0		114	85-125				
sec-Butylbenzene	55.9		"	50.0		112	83-125				
tert-Butylbenzene	49.8		"	50.0		99.5	80-127				
Toluene	51.1		"	50.0		102	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20369 - EPA 5035A											
LCS Dup (BG20369-BSD1) LCS Dup								Prepared & Analyzed: 07/11/2022			
1,2,4-Trimethylbenzene	61.7		ug/L	50.0		123	84-125		9.08	30	
1,3,5-Trimethylbenzene	60.5		"	50.0		121	82-126		9.55	30	
Benzene	51.8		"	50.0		104	77-127		9.51	30	
Ethyl Benzene	58.0		"	50.0		116	84-125		9.47	30	
Isopropylbenzene	63.4		"	50.0		127	81-127		9.82	30	
Methyl tert-butyl ether (MTBE)	50.8		"	50.0		102	74-131		8.54	30	
Naphthalene	61.7		"	50.0		123	86-141		8.73	30	
n-Butylbenzene	63.8		"	50.0		128	80-130		10.7	30	
n-Propylbenzene	60.8		"	50.0		122	74-136		9.81	30	
o-Xylene	59.4		"	50.0		119	83-123		9.78	30	
p- & m- Xylenes	118		"	100		118	82-128		9.62	30	
p-Isopropyltoluene	63.2		"	50.0		126	85-125	High Bias	10.3	30	
sec-Butylbenzene	62.0		"	50.0		124	83-125		10.3	30	
tert-Butylbenzene	54.9		"	50.0		110	80-127		9.90	30	
Toluene	56.3		"	50.0		113	85-121		9.61	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.6*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20445 - EPA 3546 SVOA											
Blank (BG20445-BLK1) Blank									Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.688*		*"*	*0.831*		*82.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.669*		*"*	*0.831*		*80.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.845*		*"*	*0.831*		*102*	*24-116*				
LCS (BG20445-BS1) LCS									Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.610	0.0416	mg/kg wet	0.831		73.4	30-121				
Acenaphthylene	0.556	0.0416	"	0.831		67.0	30-115				
Anthracene	0.644	0.0416	"	0.831		77.6	34-118				
Benzo(a)anthracene	0.651	0.0416	"	0.831		78.4	32-122				
Benzo(a)pyrene	0.570	0.0416	"	0.831		68.7	29-133				
Benzo(b)fluoranthene	0.635	0.0416	"	0.831		76.5	25-133				
Benzo(g,h,i)perylene	0.655	0.0416	"	0.831		78.8	10-143				
Benzo(k)fluoranthene	0.656	0.0416	"	0.831		79.0	25-128				
Chrysene	0.646	0.0416	"	0.831		77.8	32-123				
Dibenzo(a,h)anthracene	0.635	0.0416	"	0.831		76.4	10-136				
Fluoranthene	0.622	0.0416	"	0.831		74.9	33-122				
Fluorene	0.607	0.0416	"	0.831		73.0	29-123				
Indeno(1,2,3-cd)pyrene	0.639	0.0416	"	0.831		77.0	10-135				
Naphthalene	0.605	0.0416	"	0.831		72.9	23-124				
Phenanthrene	0.607	0.0416	"	0.831		73.1	33-123				
Pyrene	0.625	0.0416	"	0.831		75.2	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.651*		*"*	*0.831*		*78.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.625*		*"*	*0.831*		*75.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.729*		*"*	*0.831*		*87.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20445 - EPA 3546 SVOA											
Matrix Spike (BG20445-MS1) Matrix Spike	*Source sample: 22G0188-24 (Matrix Spike)								Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.573	0.0831	mg/kg wet	0.831	ND	69.0	10-146				
Acenaphthylene	0.506	0.0831	"	0.831	ND	60.9	10-134				
Anthracene	0.596	0.0831	"	0.831	ND	71.8	10-142				
Benzo(a)anthracene	0.564	0.0831	"	0.831	ND	67.9	10-158				
Benzo(a)pyrene	0.510	0.0831	"	0.831	ND	61.4	10-180				
Benzo(b)fluoranthene	0.528	0.0831	"	0.831	ND	63.5	10-200				
Benzo(g,h,i)perylene	0.580	0.0831	"	0.831	ND	69.8	10-138				
Benzo(k)fluoranthene	0.606	0.0831	"	0.831	ND	73.0	10-197				
Chrysene	0.594	0.0831	"	0.831	ND	71.5	10-156				
Dibenzo(a,h)anthracene	0.535	0.0831	"	0.831	ND	64.4	10-137				
Fluoranthene	0.488	0.0831	"	0.831	ND	58.8	10-160				
Fluorene	0.540	0.0831	"	0.831	ND	65.0	10-157				
Indeno(1,2,3-cd)pyrene	0.555	0.0831	"	0.831	ND	66.8	10-144				
Naphthalene	0.557	0.0831	"	0.831	ND	67.1	10-141				
Phenanthrene	0.585	0.0831	"	0.831	ND	70.5	10-148				
Pyrene	0.621	0.0831	"	0.831	ND	74.7	10-165				
Surrogate: SURR: Nitrobenzene-d5	*0.603*		*"*	*0.831*		*72.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.650*		*"*	*0.831*		*78.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.733*		*"*	*0.831*		*88.2*	*24-116*				
Matrix Spike Dup (BG20445-! Matrix Spike Dup	*Source sample: 22G0188-24 (Matrix Spike Dup)								Prepared: 07/10/2022 Analyzed: 07/11/2022		
Acenaphthene	0.609	0.0831	mg/kg wet	0.831	ND	73.3	10-146		6.07	30	
Acenaphthylene	0.536	0.0831	"	0.831	ND	64.5	10-134		5.74	30	
Anthracene	0.609	0.0831	"	0.831	ND	73.4	10-142		2.21	30	
Benzo(a)anthracene	0.611	0.0831	"	0.831	ND	73.6	10-158		8.03	30	
Benzo(a)pyrene	0.559	0.0831	"	0.831	ND	67.3	10-180		9.07	30	
Benzo(b)fluoranthene	0.573	0.0831	"	0.831	ND	69.0	10-200		8.21	30	
Benzo(g,h,i)perylene	0.645	0.0831	"	0.831	ND	77.6	10-138		10.5	30	
Benzo(k)fluoranthene	0.623	0.0831	"	0.831	ND	75.0	10-197		2.70	30	
Chrysene	0.641	0.0831	"	0.831	ND	77.1	10-156		7.53	30	
Dibenzo(a,h)anthracene	0.544	0.0831	"	0.831	ND	65.4	10-137		1.60	30	
Fluoranthene	0.512	0.0831	"	0.831	ND	61.6	10-160		4.65	30	
Fluorene	0.578	0.0831	"	0.831	ND	69.6	10-157		6.77	30	
Indeno(1,2,3-cd)pyrene	0.594	0.0831	"	0.831	ND	71.5	10-144		6.82	30	
Naphthalene	0.583	0.0831	"	0.831	ND	70.2	10-141		4.54	30	
Phenanthrene	0.622	0.0831	"	0.831	ND	74.9	10-148		6.05	30	
Pyrene	0.648	0.0831	"	0.831	ND	78.0	10-165		4.30	30	
Surrogate: SURR: Nitrobenzene-d5	*0.622*		*"*	*0.831*		*74.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.605*		*"*	*0.831*		*72.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.753*		*"*	*0.831*		*90.6*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20521 - % Solids Prep											
Duplicate (BG20521-DUP1) Duplicate	*Source sample: 22G0405-01 (Duplicate)								Prepared & Analyzed: 07/11/2022		
% Solids	83.7	0.100	%		83.2				0.608	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0328-01	UST5-6_SW_N_-1.0	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2260328

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: LANGAN	Company:	Company:
Address: 360 West 31st Street NYC 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Semon	Contact:	Contact:
E-mail: Ksemon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	X
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name) Harrison Bluestone

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
VST5-6-SW-N-1.0	S	7/8/22 14:00	CP-51 List, SVOCs & VOC's	1x8oz/Terracores

Comments: CC: lesmail@langan.com
maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
LANGAN	7/8/22 14:10	Neil N York Talos	7/8/22 14:10	Neil N York Talos	7/8/22 Goo
Francisco Tello	7/8/22 1600	Francisco Tello	7/8/22 1930		

Samples Received in LAB by: 7/8/22 1930 Temperature: 4.4 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0400

Report Date: 07/13/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0400

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 11, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0400-01	UST5-6_SW_W_4.5	Soil	07/11/2022	07/11/2022
22G0400-02	UST5-6_SW2_W_2.0	Soil	07/11/2022	07/11/2022
22G0400-03	UST5-6_SW2_N_0.5	Soil	07/11/2022	07/11/2022

General Notes for York Project (SDG) No.: 22G0400

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By **Date:** 07/13/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_SW_W_4.5 **York Sample ID:** 22G0400-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:10 am	07/11/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.0033**	J	mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*83.7 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_W_4.5 **York Sample ID:** 22G0400-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:10 am	07/11/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:07	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*32.7 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*37.8 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW_W_4.5 **York Sample ID:** 22G0400-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:10 am	07/11/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.4**		%	0.100	1	SM 2540G	07/12/2022 16:38	07/12/2022 20:34	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST5-6_SW2_W_2.0 **York Sample ID:** 22G0400-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:15 am	07/11/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.0033**	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0092	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.0036**	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_W_2.0 **York Sample ID:** 22G0400-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:15 am	07/11/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D	07/12/2022 07:24	07/12/2022 17:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*50.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*27.4 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*33.5 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_W_2.0 **York Sample ID:** 22G0400-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 8:15 am	07/11/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.6		%	0.100	1	SM 2540G	07/12/2022 16:38	07/12/2022 20:34	AJS
							Certifications: CTDOH			

Sample Information

Client Sample ID: UST5-6_SW2_N_0.5 **York Sample ID:** 22G0400-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 2:05 pm	07/11/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	07/12/2022 06:04	07/12/2022 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*92.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_N_0.5 **York Sample ID:** 22G0400-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 2:05 pm	07/11/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0509	0.102	2	EPA 8270D	07/12/2022 07:24	07/12/2022 18:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*41.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*32.9 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*38.4 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_N_0.5 **York Sample ID:** 22G0400-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0400	170610601	Soil	July 11, 2022 2:05 pm	07/11/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.0**		%	0.100	1	SM 2540G	07/12/2022 16:38	07/12/2022 20:34	AJS
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BG20371 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0400-01	UST5-6_SW_W_4.5	07/12/22
22G0400-02	UST5-6_SW2_W_2.0	07/12/22
22G0400-03	UST5-6_SW2_N_0.5	07/12/22
BG20371-BLK1	Blank	07/12/22
BG20371-BS1	LCS	07/12/22
BG20371-BSD1	LCS Dup	07/12/22

Batch ID: BG20539 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KMB

YORK Sample ID	Client Sample ID	Preparation Date
22G0400-01	UST5-6_SW_W_4.5	07/12/22
22G0400-02	UST5-6_SW2_W_2.0	07/12/22
22G0400-03	UST5-6_SW2_N_0.5	07/12/22
BG20539-BLK1	Blank	07/12/22
BG20539-BS1	LCS	07/12/22

Batch ID: BG20606 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22G0400-01	UST5-6_SW_W_4.5	07/12/22
22G0400-02	UST5-6_SW2_W_2.0	07/12/22
22G0400-03	UST5-6_SW2_N_0.5	07/12/22
BG20606-DUP1	Duplicate	07/12/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20371 - EPA 5035A											
Blank (BG20371-BLK1) Blank								Prepared & Analyzed: 07/12/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*ug/L*	*50.0*		*99.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.1*		*"*	*50.0*		*106*	*76-130*				
LCS (BG20371-BS1) LCS								Prepared & Analyzed: 07/12/2022			
1,2,4-Trimethylbenzene	58.3		ug/L	50.0		117	84-125				
1,3,5-Trimethylbenzene	56.4		"	50.0		113	82-126				
Benzene	47.8		"	50.0		95.5	77-127				
Ethyl Benzene	53.2		"	50.0		106	84-125				
Isopropylbenzene	59.6		"	50.0		119	81-127				
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.8	74-131				
Naphthalene	59.3		"	50.0		119	86-141				
n-Butylbenzene	59.4		"	50.0		119	80-130				
n-Propylbenzene	56.8		"	50.0		114	74-136				
o-Xylene	54.3		"	50.0		109	83-123				
p- & m- Xylenes	108		"	100		108	82-128				
p-Isopropyltoluene	59.4		"	50.0		119	85-125				
sec-Butylbenzene	57.9		"	50.0		116	83-125				
tert-Butylbenzene	50.9		"	50.0		102	80-127				
Toluene	51.4		"	50.0		103	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.2*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20371 - EPA 5035A											
LCS Dup (BG20371-BSD1) LCS Dup								Prepared & Analyzed: 07/12/2022			
1,2,4-Trimethylbenzene	62.0		ug/L	50.0		124	84-125		6.20	30	
1,3,5-Trimethylbenzene	60.7		"	50.0		121	82-126		7.39	30	
Benzene	50.9		"	50.0		102	77-127		6.31	30	
Ethyl Benzene	57.9		"	50.0		116	84-125		8.35	30	
Isopropylbenzene	63.6		"	50.0		127	81-127		6.50	30	
Methyl tert-butyl ether (MTBE)	50.3		"	50.0		101	74-131		8.02	30	
Naphthalene	62.7		"	50.0		125	86-141		5.63	30	
n-Butylbenzene	63.8		"	50.0		128	80-130		7.14	30	
n-Propylbenzene	61.1		"	50.0		122	74-136		7.26	30	
o-Xylene	58.9		"	50.0		118	83-123		8.16	30	
p- & m- Xylenes	117		"	100		117	82-128		7.79	30	
p-Isopropyltoluene	63.2		"	50.0		126	85-125	High Bias	6.35	30	
sec-Butylbenzene	61.8		"	50.0		124	83-125		6.42	30	
tert-Butylbenzene	54.5		"	50.0		109	80-127		6.93	30	
Toluene	55.8		"	50.0		112	85-121		8.06	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.0*		*"*	*50.0*		*96.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.0*		*"*	*50.0*		*104*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20539 - EPA 3546 SVOA											
Blank (BG20539-BLK1) Blank								Prepared & Analyzed: 07/12/2022			
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.492*		*"*	*0.831*		*59.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.480*		*"*	*0.831*		*57.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.595*		*"*	*0.831*		*71.6*	*24-116*				
LCS (BG20539-BS1) LCS								Prepared & Analyzed: 07/12/2022			
Acenaphthene	0.459	0.0416	mg/kg wet	0.831		55.3	30-121				
Acenaphthylene	0.429	0.0416	"	0.831		51.6	30-115				
Anthracene	0.493	0.0416	"	0.831		59.4	34-118				
Benzo(a)anthracene	0.498	0.0416	"	0.831		60.0	32-122				
Benzo(a)pyrene	0.464	0.0416	"	0.831		55.9	29-133				
Benzo(b)fluoranthene	0.499	0.0416	"	0.831		60.0	25-133				
Benzo(g,h,i)perylene	0.497	0.0416	"	0.831		59.9	10-143				
Benzo(k)fluoranthene	0.512	0.0416	"	0.831		61.6	25-128				
Chrysene	0.494	0.0416	"	0.831		59.4	32-123				
Dibenzo(a,h)anthracene	0.478	0.0416	"	0.831		57.6	10-136				
Fluoranthene	0.475	0.0416	"	0.831		57.2	33-122				
Fluorene	0.459	0.0416	"	0.831		55.3	29-123				
Indeno(1,2,3-cd)pyrene	0.480	0.0416	"	0.831		57.8	10-135				
Naphthalene	0.471	0.0416	"	0.831		56.8	23-124				
Phenanthrene	0.469	0.0416	"	0.831		56.5	33-123				
Pyrene	0.477	0.0416	"	0.831		57.5	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.479*		*"*	*0.831*		*57.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.486*		*"*	*0.831*		*58.6*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.545*		*"*	*0.831*		*65.6*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20606 - % Solids Prep											
Duplicate (BG20606-DUP1) Duplicate	*Source sample: 22G0400-03 (UST5-6_SW2_N_0.5)							Prepared & Analyzed: 07/12/2022			
% Solids	80.4	0.100	%		80.0				0.461	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0400-01	UST5-6_SW_W_4.5	40mL Vial with Stir Bar-Cool 4° C
22G0400-02	UST5-6_SW2_W_2.0	40mL Vial with Stir Bar-Cool 4° C
22G0400-03	UST5-6_SW2_N_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Lab received extra 4oz jars for each sample not listed on the COC.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2260400

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street New York, NY 10001	Address:	Address:
Phone: 212-479-5400	Phone:	Phone:
Contact: Kim Serron	Contact:	Contact:
E-mail: Kserron@langan.com	E-mail:	E-mail:

YOUR Project Number: 170610601

YOUR Project Name: 475 Bay Street

YOUR PO#:

Turn-Around Time

RUSH - Next Day	X
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Harrison Bluestone

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced | NYSDEC EQuIS
NY ASP B Package | Deliverables | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
UST5-6_SW_W_4.5	S	7/11/22 8:10	CP-51 List, SVOCs + VOCs	1x8oz/terracore
UST5-6_SW2_W_2.0	S	7/11/22 8:15	↓	↓
UST5-6_SW2_N_0.5	S	7/11/22 14:05		

Comments: CC: lesmail@langan.com
maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
[illegible] Langan	7/11/22 14:35	Mat N York Labs	7/11/22 1435	Mat N York Labs	7/11/22 1522
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
I.B	7/11/22 1522	I.B	7/11/22 1904		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	7/11/22 1904 / 1.7 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Report Date: 07/14/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0458

Report Date: 07/14/2022
Client Project ID: 170610601
York Project (SDG) No.: 22G0458

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Kimberly Semon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 12, 2022 and listed below. The project was identified as your project: **170610601**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

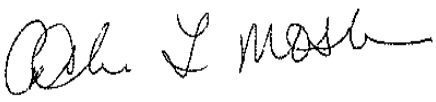
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22G0458-01	UST5-6_SW2_S_0.5	Soil	07/12/2022	07/12/2022

General Notes for York Project (SDG) No.: 22G0458

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 07/14/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: UST5-6_SW2_S_0.5 **York Sample ID:** 22G0458-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0458	170610601	Soil	July 12, 2022 10:15 am	07/12/2022

Volatile Organics, 8260 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0096	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	07/14/2022 06:55	07/14/2022 12:49	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_S_0.5 **York Sample ID:** 22G0458-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0458	170610601	Soil	July 12, 2022 10:15 am	07/12/2022

Semivolatile Organics, 8270 CP-51

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0642**	J	mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	Phenanthrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D	07/13/2022 07:27	07/13/2022 18:06	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*64.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*37.0 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*44.6 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: UST5-6_SW2_S_0.5 **York Sample ID:** 22G0458-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22G0458	170610601	Soil	July 12, 2022 10:15 am	07/12/2022

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.9**		%	0.100	1	SM 2540G	07/14/2022 10:10	07/14/2022 14:14	VR
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BG20375 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22G0458-01	UST5-6_SW2_S_0.5	07/14/22
BG20375-BLK1	Blank	07/14/22
BG20375-BS1	LCS	07/14/22
BG20375-BSD1	LCS Dup	07/14/22

Batch ID: BG20621 **Preparation Method:** EPA 3546 SVOA **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22G0458-01	UST5-6_SW2_S_0.5	07/13/22
BG20621-BLK1	Blank	07/13/22
BG20621-BS1	LCS	07/13/22
BG20621-MS1	Matrix Spike	07/13/22
BG20621-MSD1	Matrix Spike Dup	07/13/22

Batch ID: BG20731 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
22G0458-01	UST5-6_SW2_S_0.5	07/14/22
BG20731-DUP1	Duplicate	07/14/22

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20375 - EPA 5035A											
Blank (BG20375-BLK1) Blank								Prepared & Analyzed: 07/14/2022			
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.0*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.4*		*"*	*50.0*		*107*	*76-130*				
LCS (BG20375-BS1) LCS								Prepared & Analyzed: 07/14/2022			
1,2,4-Trimethylbenzene	57.4		ug/L	50.0		115	84-125				
1,3,5-Trimethylbenzene	56.2		"	50.0		112	82-126				
Benzene	49.8		"	50.0		99.6	77-127				
Ethyl Benzene	54.7		"	50.0		109	84-125				
Isopropylbenzene	59.1		"	50.0		118	81-127				
Methyl tert-butyl ether (MTBE)	49.3		"	50.0		98.6	74-131				
Naphthalene	59.7		"	50.0		119	86-141				
n-Butylbenzene	58.3		"	50.0		117	80-130				
n-Propylbenzene	56.3		"	50.0		113	74-136				
o-Xylene	55.8		"	50.0		112	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	58.3		"	50.0		117	85-125				
sec-Butylbenzene	56.7		"	50.0		113	83-125				
tert-Butylbenzene	50.4		"	50.0		101	80-127				
Toluene	53.2		"	50.0		106	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.1*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20375 - EPA 5035A											
LCS Dup (BG20375-BSD1) LCS Dup							Prepared & Analyzed: 07/14/2022				
1,2,4-Trimethylbenzene	53.2		ug/L	50.0		106	84-125		7.72	30	
1,3,5-Trimethylbenzene	51.6		"	50.0		103	82-126		8.51	30	
Benzene	45.0		"	50.0		90.0	77-127		10.1	30	
Ethyl Benzene	50.3		"	50.0		101	84-125		8.52	30	
Isopropylbenzene	54.4		"	50.0		109	81-127		8.30	30	
Methyl tert-butyl ether (MTBE)	45.9		"	50.0		91.7	74-131		7.17	30	
Naphthalene	55.4		"	50.0		111	86-141		7.38	30	
n-Butylbenzene	53.1		"	50.0		106	80-130		9.46	30	
n-Propylbenzene	52.1		"	50.0		104	74-136		7.75	30	
o-Xylene	50.9		"	50.0		102	83-123		9.30	30	
p- & m- Xylenes	101		"	100		101	82-128		9.33	30	
p-Isopropyltoluene	53.2		"	50.0		106	85-125		9.22	30	
sec-Butylbenzene	52.8		"	50.0		106	83-125		7.21	30	
tert-Butylbenzene	47.1		"	50.0		94.2	80-127		6.81	30	
Toluene	48.9		"	50.0		97.8	85-121		8.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.2*		*"*	*50.0*		*96.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*52.2*		*"*	*50.0*		*104*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.5*		*"*	*50.0*		*105*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20621 - EPA 3546 SVOA											
Blank (BG20621-BLK1) Blank									Prepared & Analyzed: 07/13/2022		
Acenaphthene	ND	0.0416	mg/kg wet								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: Nitrobenzene-d5	*0.718*		*"*	*0.831*		*86.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.622*		*"*	*0.831*		*74.9*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.790*		*"*	*0.831*		*95.1*	*24-116*				
LCS (BG20621-BS1) LCS									Prepared & Analyzed: 07/13/2022		
Acenaphthene	0.751	0.0416	mg/kg wet	0.831		90.5	30-121				
Acenaphthylene	0.714	0.0416	"	0.831		85.9	30-115				
Anthracene	0.812	0.0416	"	0.831		97.7	34-118				
Benzo(a)anthracene	0.790	0.0416	"	0.831		95.1	32-122				
Benzo(a)pyrene	0.757	0.0416	"	0.831		91.2	29-133				
Benzo(b)fluoranthene	0.795	0.0416	"	0.831		95.7	25-133				
Benzo(g,h,i)perylene	0.842	0.0416	"	0.831		101	10-143				
Benzo(k)fluoranthene	0.828	0.0416	"	0.831		99.7	25-128				
Chrysene	0.773	0.0416	"	0.831		93.1	32-123				
Dibenzo(a,h)anthracene	0.811	0.0416	"	0.831		97.6	10-136				
Fluoranthene	0.718	0.0416	"	0.831		86.4	33-122				
Fluorene	0.764	0.0416	"	0.831		92.0	29-123				
Indeno(1,2,3-cd)pyrene	0.798	0.0416	"	0.831		96.1	10-135				
Naphthalene	0.760	0.0416	"	0.831		91.6	23-124				
Phenanthrene	0.758	0.0416	"	0.831		91.3	33-123				
Pyrene	0.756	0.0416	"	0.831		91.0	24-130				
Surrogate: SURR: Nitrobenzene-d5	*0.691*		*"*	*0.831*		*83.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.665*		*"*	*0.831*		*80.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.731*		*"*	*0.831*		*88.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG20621 - EPA 3546 SVOA

Matrix Spike (BG20621-MS1) Matrix Spike *Source sample: 22G0278-02 (Matrix Spike) Prepared & Analyzed: 07/13/2022

Acenaphthene	0.671	0.0886	mg/kg dry	0.886	ND	75.8	10-146				
Acenaphthylene	0.611	0.0886	"	0.886	ND	69.0	10-134				
Anthracene	0.709	0.0886	"	0.886	ND	80.1	10-142				
Benzo(a)anthracene	0.700	0.0886	"	0.886	ND	79.0	10-158				
Benzo(a)pyrene	0.643	0.0886	"	0.886	ND	72.6	10-180				
Benzo(b)fluoranthene	0.682	0.0886	"	0.886	ND	77.0	10-200				
Benzo(g,h,i)perylene	0.702	0.0886	"	0.886	ND	79.3	10-138				
Benzo(k)fluoranthene	0.733	0.0886	"	0.886	ND	82.8	10-197				
Chrysene	0.692	0.0886	"	0.886	ND	78.1	10-156				
Dibenzo(a,h)anthracene	0.671	0.0886	"	0.886	ND	75.8	10-137				
Fluoranthene	0.624	0.0886	"	0.886	ND	70.5	10-160				
Fluorene	0.682	0.0886	"	0.886	ND	77.0	10-157				
Indeno(1,2,3-cd)pyrene	0.653	0.0886	"	0.886	ND	73.8	10-144				
Naphthalene	0.684	0.0886	"	0.886	ND	77.2	10-141				
Phenanthrene	0.679	0.0886	"	0.886	ND	76.6	10-148				
Pyrene	0.702	0.0886	"	0.886	ND	79.3	10-165				
Surrogate: SURR: Nitrobenzene-d5	*0.606*		*"*	*0.886*		*68.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.553*		*"*	*0.886*		*62.5*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.628*		*"*	*0.886*		*71.0*	*24-116*				

Matrix Spike Dup (BG20621-! Matrix Spike Dup *Source sample: 22G0278-02 (Matrix Spike Dup) Prepared & Analyzed: 07/13/2022

Acenaphthene	0.611	0.0886	mg/kg dry	0.886	ND	69.0	10-146	9.28	30	
Acenaphthylene	0.563	0.0886	"	0.886	ND	63.6	10-134	8.09	30	
Anthracene	0.641	0.0886	"	0.886	ND	72.4	10-142	10.1	30	
Benzo(a)anthracene	0.616	0.0886	"	0.886	ND	69.6	10-158	12.7	30	
Benzo(a)pyrene	0.569	0.0886	"	0.886	ND	64.2	10-180	12.3	30	
Benzo(b)fluoranthene	0.599	0.0886	"	0.886	ND	67.7	10-200	12.8	30	
Benzo(g,h,i)perylene	0.621	0.0886	"	0.886	ND	70.2	10-138	12.2	30	
Benzo(k)fluoranthene	0.651	0.0886	"	0.886	ND	73.5	10-197	11.9	30	
Chrysene	0.620	0.0886	"	0.886	ND	70.0	10-156	10.9	30	
Dibenzo(a,h)anthracene	0.582	0.0886	"	0.886	ND	65.8	10-137	14.1	30	
Fluoranthene	0.560	0.0886	"	0.886	ND	63.3	10-160	10.8	30	
Fluorene	0.613	0.0886	"	0.886	ND	69.2	10-157	10.6	30	
Indeno(1,2,3-cd)pyrene	0.581	0.0886	"	0.886	ND	65.6	10-144	11.7	30	
Naphthalene	0.607	0.0886	"	0.886	ND	68.6	10-141	11.9	30	
Phenanthrene	0.613	0.0886	"	0.886	ND	69.2	10-148	10.2	30	
Pyrene	0.604	0.0886	"	0.886	ND	68.2	10-165	15.1	30	
Surrogate: SURR: Nitrobenzene-d5	*0.524*		*"*	*0.886*		*59.1*	*22-108*			
Surrogate: SURR: 2-Fluorobiphenyl	*0.484*		*"*	*0.886*		*54.6*	*21-113*			
Surrogate: SURR: Terphenyl-d14	*0.538*		*"*	*0.886*		*60.7*	*24-116*			

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG20731 - % Solids Prep											
Duplicate (BG20731-DUP1) Duplicate	*Source sample: 22G0458-01 (UST5-6_SW2_S_0.5)							Prepared & Analyzed: 07/14/2022			
% Solids	85.0	0.100	%		80.9				4.97	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22G0458-01	UST5-6_SW2_S_0.5	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

J — Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: An extra 4oz jar was received by the lab.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 2260458

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YOUR PO#:

Turn-Around Time

RUSH - Next Day	X
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Harrison Bluestone

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
VST5-6_SW2_S_0.5	S	7/12/22 10:15	CP-51 List, SVOCs, VOCs	1x8oz/Tcleared

Comments: CC: lesmail@langan.com
maronica@langan.com

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LANGAN	7/12/22 12:17	Andrew & Mark	7/12/22 12:17	Andrew & Mark	7/12/22 1722
3. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
I.B	7.12.22 1722	I.B	7.12.22 1900		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	7/12/22 1900 / 1.7 Degrees C